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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/060,065	01/29/2002	Toshio Ota	14897-099002/H1-107PCT3-U	9602

26161 7590 04/01/2005
FISH & RICHARDSON PC
225 FRANKLIN ST
BOSTON, MA 02110

EXAMINER

PROUTY, REBECCA E

ART UNIT	PAPER NUMBER
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1652

DATE MAILED: 04/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



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EXAMINER

ART UNIT	PAPER
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1004

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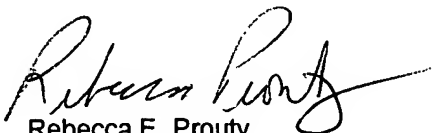
Commissioner for Patents

In response to applicant's telephone call regarding the last Office action, the following corrective action is taken. Copies of pages 392-611 of WO 01/53312 not previously supplied are enclosed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rebecca Prouty, Ph.D. whose telephone number is (571) 272-0937. The examiner can normally be reached on Monday-Friday from 8:30 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapura Achutamurthy, can be reached at (571) 272-0928. The fax phone number for this Group is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-1600.


Rebecca E. Prouty
Primary Examiner
Art Unit: 1652

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
			AGSQKLSVVRRAASLLSKVDSLAPSITNVLVQCKQVTLGAFG EEREVIENPLSPRVIGFIYYKCTHDEREAVIQQLVITHGWI ISNNPHELPSOTLKIRIGWIIHAMEYELQIROGDKPALDLYQLSP SEVKQLLLDILQPQNGRCWLNRRQIDGSLNRTPTGPTDRVWQI LEKTPNGIIVAGKHLPPQPTLSDMYEMHPSLLVEDTLGNIDQ PQYRQIVVELLMVVSIVLERNPLEPFQDEKVDLRLVKEAFNEFQ KQSRLEKIRKQDNTSFYNTPLPKRGTCSTLTAVMBLLLEG EVKPNHDDPCLIS
5872	68	665	VQGYMYRFRVTKINSYSEKTSICHRCCPELPATQWPTPTVFP NLAIDSESLGCT\SFKLFPADKV/PKRWKNFVLINTGBKVLGDK GPCFYRIIDQ/LCQGGDFTHNGTGGKSLYSKEFDENFI/LKH TAPGVLTANAGPTTNGSQPFICTAKTEG*QHVVPGEVKGWS IVHALERSGSRNGKTSKKITAAACGQL
5873	2240	506	RRFPFGGGGGRRTRAMPFLWLSLALPILLSWAGGFGMAASAR HEGLLASARQGVCHYGTKLACCYGWRNSKGVCEATCRPGCKP GECVGFNKRCPFGYTGTCTCSQDVNECGMKPRPCQHRCVTHGS YKCPCLSGHMLMPDATCVNSRTCAMINQVYS CRTDEGPQCLCP SSGLRLAPNGRDCLDIDECASGRVCPYNRRCVTHFGSYCKCH IGFELQYISGRYDCIDINECTMDSHTCSHANCPTQGSFKCKC KQGYKGNGLRCSAIPENSVEVLEAPOTIKORTIKLLAHNSMK KQAKIKVFPBPTPTPTPKVNLQPFVYBEIVSRGGNSHGG/KKG NEEEMKEGLEDEKREKALAD*HRRRRPPFG/DVFPFKVHEAGE FGLIL/VORALTSKLEHADIANSVDCSPNHC/ICDW/KQDR/ BDDPDW/NPADR/DNAI/GPY/MAVGLWQGH/KDIGRLKLL FDLQPSNFPCLLDYKLAGDKVGLKLVFVNSHALLAWKTTSE DEKWTGKIQIQLYQGTDTKSLIPEAERGKGTORIAVDGVLLVS GLCPDLSLSVDD
5874	2	3387	ACPFLARRRRVRESLRRRRGNLRRWSRGQNNNAARRITQSTFD AVLQBEAKRYHMDASGEAVSETLOFKAODLRAVPRSRAMTDD VSDGRTSLSGSAHSRDAGRESLSQVSPGSPRESNPSISDD SYFRKROGRDLRFVSHNSRDQVIGHRELGHFRSQDNKFALEGSW EQDPGFVPSQESSMSQBYSPGPSAVLQDFGSSRLIEKCLKEK/ SRDYDVHESG/BA/DSVLRS/SQVQA/RCRALNIVDQEGSLIG KGETQGLLYAGGVGKLVTLNHSVKIKIPVNRITPKTQGTNQI QNTSPFDVTLGTNPTGTDIQPFIQKIPLGLDLNLRLPREKMS FDLIDKSDVPSRPGIRIIMAGFHTIIDDUKPSQLPOTLFELET ETCAKMLASFKCSLKPEHRDPCPTTIEFLAESALITPRVINEPL NMLLDKGAVKTKNCFEITIKPFDKIIMRLQORLLESVTPILMAC HAYELSVKMTLSNPLDLALALSTNSLCRSLALLGQTFSLAS SPRQEKIL*AVGLQDIAPSPAAPNPFEDSTLFGREYIDHLKAHL VSSGCPQVKGARPEPMREBKIMIPPTKPIQAKAPSSLSDAVP QRADHEVVGTIDQLVIRVIEGSLSPKEHTLLKEDPAYWFLSDEN SLSYKYKJLJLABMQBMSNLRGADQKPTSDCAVRAHLYSRV RNLKTKLLP/WQREGLLRAGG/LRG/WKARRA/TGTUTLLFLR APGLKHEGROAFGLS/QAKPSLPDEND/AARD/CPLDPV/GPSP QDPSEASGPSFKPAGVDISEAPQTSPPCPSADIDMKDNGREAR KLARFVRQVG/PEIEQP/SI/ENSTINPDNLPL/HQDQSS/APK FT/REKVPELCPSICTFTSSPHNL/HTGGDDT/SGQBSVDLME GEARFEDRPPPREABLESPFVMPEDDEDDEDGGEAPA/PGRO GPSLEGSTPADGLPOEA/AEDDL/ALGAPALFTGLQVTCFPFG ROPSSKSLVGMIPAPKRVCLIQREKVEHPVRIAYDRPRGRPMS KKKPKDLDPAQQKL/TK/MLGPQ/MLQKMGKKBGHILGSLGK GIR/SRSACTQQAANGSGWGLSPSTCSLPLGSPTAKMAYSWQL IFVP
5875	296	1848	LAAAGGLFLMRLSRRGFRYLLGLSAPSALGGAMRBVSYVQRYA LEPSCSLFPFHAICLDVDFDNLNVLVGDTSQKVSVYKNDSEFP WLTCSCQGHLCVGVGDVCKRGKHLVAVSAGWPHLDLTPAK VLDSAGHEHTLIGSEQRPFVQHI PANTKVMILSIDGDCREK VVGTYDRVVRAPRMEKELGEGPEHLTGQVLSLKWMLEGGVDSLS VTGLPLGLFELMVSPGQCAVAILLCTWKDKTCSPPASEOPTDGS /SGDPSCPRGAAPDIWPTPQGBCLHSFNNQBT/SHGTSSSGS

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			GLFALCTLDGTLKLNEMERADALLASVQVDRDLFALEKLDVTG NGHERVVCANDGQTYIIDNRTVVRFPVDENIPACGLYACK EGHNSPCLVYVTPQKXIVVWVQLEHMSHLLVLLSTP\ST TACCRSNWILITSL*LVPCFTKRSTIQTSERSVLFOASRIFFS WTCLIAQGGY*TPTLPPKGVFGSHCAAGCSITEQ
5876	1122	224	HLPLGVPSKVAGAAAMEPQBERETQVAAWIKKIFGDMFIPQYBV KPTTEILAHLSERRRVRDRDVLVIRDLWQKASYESHAKYLO DLIMESVNFSPANLSSTGSRYLALVDSVALETSDTSLASTIP AVNDLTSULPRTKSEEBIKIRLEKLEELTATLVLEKCLQEDV KKAHLHLSTER\AKVDNRQW\DFLKAKSEEPFOIQAGEQL SARGQ\DAFSVYIQSLVALIENSWPRLQQTIPLE\KKLESTLD LMP\HPSHCE*RIERAK\RELA\SHAELTRVS\MMEL
5877	2030	1907	GTLGMAASSSGKKEKELGGGLGVAGGSTRERLLSALDLELV LSRELTEMLATSRNQKLAGCHQVLELLIHRDCHPQIMKLA LNQGIHHEWQVLEKEKRDSDIOQLQKLEABQILATAVYQ AKKLSYHAKRGAISSEBIIKYAHRIASAEVCAPIFWVPGD PRPTPTDLENRSGLLQGMNDPSTGWVGHLPQDALA/RRKIAR CPCSTVS/HGSMTCR*INILLQKSVCEL
5878	950	2113	GLWCKMQLQCPHTEHVQ*PTFRQQGQ\VPVAVIAGNEFYLY RMRLSLLSAQGVSPQNTVTFIDGYREPMVVALFGLGIGHTP ISIKHARVSQHYKASLTATPHLFPAKFAVVLLEDLOIAVDFPS PLSQSIHLREDDSLYCI SAMNDQGYETARDPALLYRVETMPC LGNVLESLYKKELEKPNPTPEKLDWDMWRMPBQRGREGCI POVRSYHFGIVGLADNGYFEEATYKHKHPTVPGVQLANVDSL KCEAYEVVHLLSEAEVLDSHNPCEDSFLVDTECHTYVAFIR MEKDDFTTWTQAKCLHIMDLVGRHGRGLRLPRKNEPLVV GVDPASPYGVKPPSVPTPILEPPPKRGAFAPEQT
5879	3	981	RLTHAAAGSGSPRAGWAGSPPTLLPLSPSPRCATWASSED GTNGGASEGHDREAPGKRRRLGFLATAMLTFTDIAMTACMLVL ALAMVRFPYMERGTHRGLYKSIXKTLKFPQTPALLRIVHCLIGIV PTSVIVTGVOVSSRIFFVWLITHSIKPIQNESSVLLFVAWTVT BITRYSPTTSLDLHPYPIHARYNFFIILYVGVACELLTIY AALVHVKTGMSIQLPNKYNSPDYTYPIILITWASYIPLFPOL YFHLRQRKVLHG\G*L*KRMIR*SLQTRCPFNNOYLSFSF NNRKLCLSLWIVNPLKI
5880	1138	1324	SIMCLVAGGLGLGSSQNPQIRAGILALPREAGTFSALTACSA SVTSKOKSSSGMWPASASDRDSPVLEPPGVPQLPSGTGWLSD *KKRGRCCS/WLSQPCHEREDEVLLRRSMRGRARASDVL CRSLAHRTQLRRTLTATAHMCQHLAKCLDERQBAQRNVGRSP DQSEHTDGHISVQSVIEKLQENRLLKQKVTBVDLWAKQRYN ASRDYVRLHAQLRGLQIPHEPFLMRKHSILWQLKEKINDC AEVQELAASRTARDAALERVQMLBQQLIAYKDDFMSERADRR AQSRIOELERKVASILHQVSWRQDSHEPDAGRIHNGSKATYLA ADALELWVPGWRPGTSGQQPEPPABGGHPGAQRGQGLQCPH CLOCFSDQEGKLEHVAECQ
5881	26	441	GGIHPSPTFAFRQHLTMDCTWRLLFLVAATGTFAQVQLQSG SEVKPGCASVWVSCVYTYTLKLSGHVVRQAPQGLE*MGPPD LQOVETIYQKPGGRVSMTERSTETQ/ATLESLSEEDTAV HHCATDTV
5882	2407	2216	SGCVEMLYSHSLBNPNISVQSAVAPQIALNSDGL*HSCER KTRD*QLFAGGPGLOEPLQLGRKIDITSDEPILDRVDG\VDLE HYSQVLELQQTQESLSDYIQESSENTASLENQITACDAVLER MEQMGLRFGQSLSSISSEKTLQESQSGAMIRLENRQAVRGKLG ELVDGLVPSALVTALLEAPVTEPRFLEQLQELDAKAAVREQE ARGTACADVRGVLDRIVKAVTKIRBPILQKLYSFEPMINTQ IPQTALLKTRFFYQVLLGNERATAKEIRDYVETLSKIYLSYR STLGRIMKQYERVAERDDMGVEDTAKGFFSKPSLSRHTIF TLGTRGSVISPTLEAPILVPHTAQRGEORYFEALFRSQHYAL LDNSCREYLFICRFPVSGRAEDLFHAWGKTLMTLKHLDY LADCYDALAVFLCIHIVLRFRTAAERDVPALORYMEQVLALEW

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5883	2	1374	<p>PRPRLILEMSVSVRSTDPQRLGGLDTRPHYITERYARFSSALV SINQTIENERTMQLLQQLQVEVENFVLRAARFSSRKEQLVFLI NNYDMMLGLVLM\8*EBAADDSKEVES PQQLIAARTQEFTELLS PPFGQLVAFVKRAELTREGQAEHLRGEARVTLIRGFGSSWK SSVESLSQDVMBEPTNFRFSTSIIGQALTOLIO\LYHRPFRV/L SQPQLRALPARAELDTHHMLVLEKHKHCFW</p> <p>RFPGRFRFVMEAGAGAGAGAGAGSCPGFPTVTLGSEASEG CERKKGQRWGSLEERRQWAMEGEVLLPALYERKHEERKEEVE EEREQVQGGSVGSLSVNHERGLSLTETHLEBAQVLQVLAEL ETRELAGQERDSDLEHQLGLEDERLASAQQAETTKIQQLQG ELASLEETISLEERKESLEKHIQELHQAQATQSLROARDS ATEHESDIASLQEDLCWQWLEDMERTRGDTEMLASTRAME NKSSEPSGSLGLSDYSLGLEQLQELERKTHFLNRETRALQESNS SLTQQLADLESERTQATERNLQSQTLSPMSARSQTSMDFLBP DPEKILRQQLDARBPQWGMONCQHLCCLEHLQHHRQVSEB EQRELQRELFCAQNEVLRFQTSHS\SPSHPLPPIPPSSPCLLA LVVISALLWCNABTSS</p>
5884	4261	2522	<p>GVLARASARLVPLTGVACARPEVGAHPAKVAGAAKPEDGGR SRLDCCDITPSERLGPKHMLWFCGALPAALATAKESGAVFV FVAGODEQSTQMAASWEDKYTRASSNSFVAIKIDTESACLOF SQIYFVVCVPSFFIGDSGIPLFVLAGSVSEADLVTRIHKVRQ HLLXSETSVANGSQSBSSVSTPSASFBNMTCEMSQSEHNLCE IPSTSDTKSDTATGQESAGHATSSQRPSCGSDQRPADLMTVE RLTKIERRERKRRERQRHKKIERRRKTGKEMLDYKRRQER HITRMLEERNREKADRAARERIEQQIALDRAERARPAKTKB EVEAAKAAALLAQAEHVEKRESTARERSTVARIQFRLPDGSSP TNQPPSDAPLEBARQFAAQTVGNTYGNFSLATMPPRREPTKQDY KKKLLDLELAPASVLLP/ALFINP*AGRPASTVHSSGDIW TLIGTVLYPLFLAINRLISNPLFSNPPPTOTSVRVTSSPFPAS SSKSKREPFVRVLEKRGDDPKKRGKIYRLTODGDEENNTW NGNSTOQM</p>
5885	900	467	<p>AAGGCRSRLSRWPTGFSKSPSGVRCOGVRR\AWEDKDEFLDV IYWRQI IAVVLGVINGVLPLRGFLBLAGFCLINAGVLYLYPSN YLQIDEBEYCGTWELTEGQPMTSFA/IVHGLDHLHCHPL*LM VYSSQVLPQSKGPS</p>
5886	86	1341	<p>PFGRALTLKQPRFGVAPPSELGTCHKSDPGRPAASQPPSPGS GTFGLLSFDMVTRIKWILKEHFGVGTPTNSDFLAKTSBLPLKHG BVLLAALPLTVDFYNEVAARKLEKGDWMCQVAKVVESEVAL PKGTIVLASPGWTHSISDGKILKELLTENFDTIPLSLALGTVG MPGLTAYPCLLEICCVKGGTVMVMAAGAVGSVVQIAXLEGC KVVAVGSDRKVAYLQKLGPVDFVYKTVESLEBETLKASPDGY DCTFDNVGGEPSNTVIGQMKPGRIACGALSTYNTGFLPPGP PPHIGITYELENEAFVVTWQGDARQKALKDLEKVLRLPYFVI D*LAQNTLVYKSKSAKPSLEYISEKLVSG\XIQYKEYITEGFE NMPAAFMCMLKGINLGKTIYA</p>
5887	1937	104	<p>APCCGCCRATRCPCGPRWDSLODRAARSFAAPGGAFFLLGLEE RPDRCHPGGDRGPQLHROSFG/SPSELRRRPGPGLPGLQGPP PAPGLPQSRIL/PVLCVCLSPAQCDINCCDPDCSSVDFSVFS ACSVFVVTGDSQFCSQKAVIYSLNFTANPPQVRFELVDQINPSI PCIHITN*NLHYPLLIQKYL/NERNFDTLMKTSDDGFTLAESY VSFTTKLDIPTAAKYKGVPLQTSDSFLRPPSSLTSSLCDNNP AAFLWDAVKCTRIKINLEQCELEALSMAPTSSPILKVPDSRK KVPITVQSIQSLKXLTIRREDTVLQPTLVNAGHPSLCVNVV LEVKYSLTYYDAGEVTEADLSFVLGTVSSVVVPLQKFEIHFIQ BMTQPVPLSGNPGYVVLFLAAGFQPHKSGIITHTHYGQLTI LBSTTEQDCLALEGVRTPLFGYTMQSGCKRLTGALPQQLVAQ KVKSLNAGQGFEDYVAPFGNSQGF/ADMLWVPIHFTQSPKRX DSQQLPGALVIEVWTKYGSLLNFOAKI VHVVTANLISSSPPEAN SGNERITLITAVTFVDVSAPARAGFRAPPAINARLPFFHFFPF V</p>

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5888	375	2302	<p> LIAKRTGVANQRADSEQPSKRPEDDSPTPTSPARADWSPG LELHPOYRTWGPQVCSFLRRGGPPEVLLKNTIRENITGAILP CLDESEFENLGVSSLGERKLLSYIQRLVQIDVDTMRVINDPIH GHLELPLLVRIIDTFQQRLEYIKQLGGYTVFPGASHNRPEH SLGVGYLAGCLVHALGRKQPELQISERDVLGVQIAGLCHDLGEG PPSEMFDRFTIPLARPEVQWTHEQGSVMKPEELDHNGIKPVME QYGLIPEEDICPIREQIVGPLESPVROSLWPFYKGRPEKESFLYE IVSWKNGIDVDKNDYPARDCHHIGIQNNFDYKRPTEPARVCEV DNELRICARDKEVGNLYDMPTFNLSHERRAYQHKVGSNIDTMT DAPLEADDTYIEITGAGQKRYRISTALDDBAYTKLTDNIFLEIL YSTDPRLEKADRETLAQIEYRNLPRYVGETOPTGQIKIKREDYES LPKEVASAKPKVLVQVLEKAEQDFTVDVINDMVGQKEEPIDBVS PYCTAPNRAIRITKQVSQLP\BKFAEO\LIKRVCKKVDKRS LYA\ARQYFVQW\CADR\HFT\KPDGRCT*PPTP*HPQKKGW\ NDSTSPKPIPTLPERLPESEV\QLFKDDPM </p>
5889	1831	731	<p> LPAAACGRFUTAPPEQAPESGRPEDLQYFPFQVFPFPRDRAV VGGTGIGYSTAGHLARLGHVILAGNDSKAKQVVSKEKET LNDEET*VLLCCPGLCLMNSDDPTSSASGAGTGVHHRFLK FGIPII\DLASHTSIRQPVQKPKMKIP\LHVLIRNAGVMNPOR KTRDGFREHFGNLVYLGHFLTLNLLDTERSGSPGHSARVTVS SATHVVAELNDDLOSSACTSPRAAYASKLALVLTTELQRL AREGSHVTANVDPGVVNTOLYKHVPWATRLAKLLQWLLFKTP DRGAMTSIYAATVPLEGVGGRTLYNKKETKSLVTTNQLQQQ LNSISEMIGVLDVTL </p>
5890	1322	200	<p> PRKMSAAGRVPVAFPCSRISASSPRPRGAVRLQSGTEAACRS GRPDPASAAAGGAGERMSQRDLVHLFAGCGGTVGAILTCP LEVVKTRLQSSSVTLYISEVQLTMAGASVNRVSPGLHCLKV ILEKGPRLPRGLGPNLVGVAPSRATYFAAYSCKEKLNDVVD PDSTQVHMISAAMAGPTATATNPWLKTRQL*/SQGTAGKR RMGAPECVKRVQTDGLRGFTRGMSASYAGISSTVIEFVYESI KQKLEKKTASTMENDERSVKEASDFVGMMLAAATSK\LVATTI AYPHEVVRTLREECTKYRSFPQTLSSLVQEGYGSILYRGLTTH LVRQIP\NTAINMATTELVVYLLNG </p>
5891	1322	200	<p> PRKMSAAGRVPVAFPCSRISASSPRPRGAVRLQSGTEAACRS GRPDPASAAAGGAGERMSQRDLVHLFAGCGGTVGAILTCP LEVVKTRLQSSSVTLYISEVQLTMAGASVNRVSPGLHCLKV ILEKGPRLPRGLGPNLVGVAPSRATYFAAYSCKEKLNDVVD PDSTQVHMISAAMAGPTATATNPWLKTRQL*/SQGTAGKR RMGAPECVKRVQTDGLRGFTRGMSASYAGISSTVIEFVYESI KQKLEKKTASTMENDERSVKEASDFVGMMLAAATSK\LVATTI AYPHEVVRTLREECTKYRSFPQTLSSLVQEGYGSILYRGLTTH LVRQIP\NTAINMATTELVVYLLNG </p>
5892	1764	379	<p> VVLEVOGRLSVNSAVSSRTGGNSAGLTCAMQRLQVVLGHLRQPA DSCMMPOAAPCLSCAPHASAADVVVHORRTAICRACRGGFEDT TPDKLLSAVMTAVLIDVNLPRBQIGDICVGNVLPQAGAIMARI AQFLSDIPETVPLSTVNRQCSGLQAVASLAGOIRNGSYDIGMA CGVEHMSLADRONPGHITSLMEKEKARDCLIPMGITSENVAER PGISREKQDTFALASQQAARASQKCFQABIVPVTTTVHDDRG TKRSITVTQDEGIRPSTIMEGLAKLPAPKDDGSTTAGNSSQVS DGAAILLARRSKABELGLPLIGVLRSYAVVGVPPDIMIGPAY AIPVALQKAGLTVSDVDIFRINE\AFASQAAYCVELLPP*EG *TPICGASGP*CHDGLGHEGVQVITLAQ*S+SARGKRAYRSGC PCAIGSWNGSPLEVPFYPWT </p>
5893	3	1653	<p> ILSRRRCQKARTKRLMAKKVAVIGAGVSGLSLKKCCVDEGLEPT CFEETDIGGVHRRKENVEDGRASITYQSVVNTSEKMSCFSDPP MPEDFPNPLNSKLLKLEYPRIFAKKVDLLKYIQPQITVLSVRKCP DPFSSGQMKVVTOSNGKEQSAVPAVMVCSGHILPHIPLKSPF GMRFPQGVYFHSRQYKHPQGFEGRIILWIGMRLGSDIAVELSE NAAQVFTSTRHGTWMSRISEDOYFWDVSVFTRPSMLRNVLPR TAVIONMIRQMMENPHENYGLBPQNKYIMKEPVLNDVPSRLI CGAIVKSTVRELITSAIPEDQTVBENDVIIPATGYSPSPFP </p>

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			LEDSLVKVENWVSLYKYIFPAHLKSTLACIGLIQPLGSIFPT ARLQAEWVTRVPEGLCSLPSEETHMMDI IKRNEKRIDLPGESQS QTLQNTYVDYLDLALRIGAKPFCSLFKDPKLAVERLYPGPCN SY*YRLVGPQNGEARNAIPTQKRIKLEKTRALKDSSNFSVS FLIKTILGLAVVVAPP/CQIQNS
5894	174	1673	RYSFKEVLQNKSSLELGMATLVSAHS LAPLNLEKGGLEVVRE DHTSTWEGQFKLGNSKELGQKPLCKQPRQLKVEETTGPREALS RLRELQQWLIQPTHTKSHILELLVLSQFLIILPKHLQARVQEH HPESREDVVVLEDLQLDLGETCQVDFDQPKQKILVEBNAPL KGVQEQVREHECVTKPKRKKCEBTRIKNGKLIIVTDS CGRVES SOKISRPMAHNEGSHLERHQAQPKKIEYKCSERERQFIQHL LJHEASTHTGKRLCSDDVCQSSSLTGHKRVLS*ERKVIQC/HGV LGEAFQSSSELVRHQXHLGKPKYQCNKCGKVFQNAQLLEHLR INTGKPYLCTHCKNFRSSHLNRHRRHNSOREKPCCKEKGKT FSQALLTTHQRTHSHSKSHQCNKCGKAFSLTSLIRHRIHTG HKPFKCNICQKAPLMSHLAQVVR IHNEKPKYQCSGGEAPRQR SGLPQHQRTYHKKDLA
5895	2967	86	HPSLLGALFPYFPFSSPWPFPPLYLFWNSHRRKSRHF INQGGIHGE MRLFVSDGVPGCLFVLAAGRARGRAEVLIS TVGPEDCVVPFLT RPRVFLQLDSGNYLFTSAICRYFF/LLSGWQDDLTNQWLEN EATELQPTLSAALYIL/VVQGGK/EDVLGSVRRTLTHIDBSLS RQ/NCPLAGETESLADIVLWALYPLLODPAYLPEKLSALHSW FOTLSTQ/EPCQR/AARLVLRQ/QCVLALR/PTLQKQPQPSPA EGKGLSP/IEPEKEELATLSEREIAMA VTAWEKGLSLVPLRPQQ NPVLFVAGERNVLTLSALPYVNVPHLGNIGCVLSADVFARYS RLRQWNTLYLCTGTDEYGTATETKAL/EEGLTPQRI CDKYHIHA DIY/RWFNLSFDIFGRITTPQO/TKIT/QDIPQQLKRGFVLQD TVEQLRCEHCARP/LADRFVEGVCPFCGYEARGDQCCKGKLI NAVELKKPQCKVCRSCP VQSSQHLFLDLPKLEKRLSEWLGRITL PGSDWTENAQFITPFGPREWPSKPRNO*TRDLK/NGNPGTP*E GFEDK/VFYVWPDATIGYLSITANYTDQNERWW/ENPEQVDLYQ FM/AEDNVPPHSLVFPSSALGAEDNYTL/VSHLATEYLYNTEG K/PSKSRGVGVFRDM/AHDTGIPPDISREYTL/LYIRPEGK/DSA PSWTDLLKNN/ELNNLGNFINRA/GMPVSKPFGG/YVPEMV LTPDDQRLA/HVTELEQHYHQ/LLEKVRIRDALASILTIS/RH GQYTI/QVNEPW/RIEKGSEADRQAGTVTGLAVNLAALLSVML QFYMTVSATTQALQLPFPACSILLTNFLCTLPAHQIGTVSP LPQKLENDQIESLRQRFPGGQAKTSPPKAVVETVTTARPQQIOA LMEVITKQGSIVRELKQKADENEVAASVAKLLDLKQLAFAEC KPEAPKCKCKK
5896	2967	86	HPSLLGALFPYFPFSSPWPFPPLYLFWNSHRRKSRHF INQGGIHGE MRLFVSDGVPGCLFVLAAGRARGRAEVLIS TVGPEDCVVPFLT RPRVFLQLDSGNYLFTSAICRYFF/LLSGWQDDLTNQWLEN EATELQPTLSAALYIL/VVQGGK/EDVLGSVRRTLTHIDBSLS RQ/NCPLAGETESLADIVLWALYPLLODPAYLPEKLSALHSW FOTLSTQ/EPCQR/AARLVLRQ/QCVLALR/PTLQKQPQPSPA EGKGLSP/IEPEKEELATLSEREIAMA VTAWEKGLSLVPLRPQQ NPVLFVAGERNVLTLSALPYVNVPHLGNIGCVLSADVFARYS RLRQWNTLYLCTGTDEYGTATETKAL/EEGLTPQRI CDKYHIHA DIY/RWFNLSFDIFGRITTPQO/TKIT/QDIPQQLKRGFVLQD TVEQLRCEHCARP/LADRFVEGVCPFCGYEARGDQCCKGKLI NAVELKKPQCKVCRSCP VQSSQHLFLDLPKLEKRLSEWLGRITL PGSDWTENAQFITPFGPREWPSKPRNO*TRDLK/NGNPGTP*E GFEDK/VFYVWPDATIGYLSITANYTDQNERWW/ENPEQVDLYQ FM/AEDNVPPHSLVFPSSALGAEDNYTL/VSHLATEYLYNTEG K/PSKSRGVGVFRDM/AHDTGIPPDISREYTL/LYIRPEGK/DSA PSWTDLLKNN/ELNNLGNFINRA/GMPVSKPFGG/YVPEMV LTPDDQRLA/HVTELEQHYHQ/LLEKVRIRDALASILTIS/RH GQYTI/QVNEPW/RIEKGSEADRQAGTVTGLAVNLAALLSVML QFYMTVSATTQALQLPFPACSILLTNFLCTLPAHQIGTVSP LPQKLENDQIESLRQRFPGGQAKTSPPKAVVETVTTARPQQIOA

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5897	2967	86	<p>LMDEVTRQGNIVRELKQKADKNEVAEVAKLIDLKQLAVAEK KPPAPKGGKKK</p> <p>HPSELGATFFYPFPSPFPFPPPLYLPMNSHRKSRHTINQRGTHGE HRLFVSDGVPGCLPVLAAAGRARGRAEVLISVCPEDCVVPFLT RPKVPVLQDSCGYLFTSAICRYFF/LLSGWEQDILTNQMLEW EATELQPTLSAALTYL/VVQGGK/EDVLGSVRETLTHIDHSL RQ/NCPFLAGETSLADIVLWALYPLQDPAYLPEELSAHSHW FQTLSTQ/EPCQR/AARRLVLKQ/QGVLAALR/PYLQKQPPSPA EGKLSPIEPREBELATLSHEEIAMAVTAWKGLSLPPLRPQQ NPVLPVAGERNVLTISALPYVMNVPHLGNIGCVLSADVPAFYS RLRQWNTLYLGGTDEYGTATETAL/REGLTPOBICDKYHILHA DIY/RWFNISFDIPGRTTTPQQ/TKIT/ODIPQQLLRGPVLQD TVEQLRCEHCARF/LADRFVGVCPFGGYEARQDQCKGKLI HAEVLEKPKQCKVCRSCPVVQSSQHLFLDLPLKEKLEBWLGETL PGSDWTFNAQFTTTPFGFPEWPSKPRNQ*TRDLK/WGHPGTP*E GFEDK/VFYVWFDATIGYLSITANTYDQWERNW/WEPEQVDLYQ FM/ARDNVPPHSLVPPSSALGAEDNYTL/VSHLITATYLNEDG K/PEKSRGVGVPRDM/ADTGIPPDISRFTL/LYIRPECK/DSA FSWTDLLKNS/ELLENLGNFINRA/CMFVSKPFG/VYFEMV LTPDQRLA/HVTEBLQHYEQ/LLEKVRIRDALESILTIS/RH GQYI/QVERPW/KRIGSEADQRAGTVTGLAVNIAALLSVML QPYMPTVSATIQQLQLPPFACSILLTNFLCTLPAGEQIGTVSP LFOKLENDQIESLRQRFGGQAKTSPKPAVVTVTAKPQOIQ LMDEVTRQGNIVRELKQKADKNEVAEVAKLIDLKQLAVAEK KPPAPKGGKKK</p>
5898	2967	86	<p>HPSELGATFFYPFPSPFPFPPPLYLPMNSHRKSRHTINQRGTHGE HRLFVSDGVPGCLPVLAAAGRARGRAEVLISVCPEDCVVPFLT RPKVPVLQDSCGYLFTSAICRYFF/LLSGWEQDILTNQMLEW EATELQPTLSAALTYL/VVQGGK/EDVLGSVRETLTHIDHSL RQ/NCPFLAGETSLADIVLWALYPLQDPAYLPEELSAHSHW FQTLSTQ/EPCQR/AARRLVLKQ/QGVLAALR/PYLQKQPPSPA EGKLSPIEPREBELATLSHEEIAMAVTAWKGLSLPPLRPQQ NPVLPVAGERNVLTISALPYVMNVPHLGNIGCVLSADVPAFYS RLRQWNTLYLGGTDEYGTATETAL/REGLTPOBICDKYHILHA DIY/RWFNISFDIPGRTTTPQQ/TKIT/ODIPQQLLRGPVLQD TVEQLRCEHCARF/LADRFVGVCPFGGYEARQDQCKGKLI HAEVLEKPKQCKVCRSCPVVQSSQHLFLDLPLKEKLEBWLGETL PGSDWTFNAQFTTTPFGFPEWPSKPRNQ*TRDLK/WGHPGTP*E GFEDK/VFYVWFDATIGYLSITANTYDQWERNW/WEPEQVDLYQ FM/ARDNVPPHSLVPPSSALGAEDNYTL/VSHLITATYLNEDG K/PEKSRGVGVPRDM/ADTGIPPDISRFTL/LYIRPECK/DSA FSWTDLLKNS/ELLENLGNFINRA/CMFVSKPFG/VYFEMV LTPDQRLA/HVTEBLQHYEQ/LLEKVRIRDALESILTIS/RH GQYI/QVERPW/KRIGSEADQRAGTVTGLAVNIAALLSVML QPYMPTVSATIQQLQLPPFACSILLTNFLCTLPAGEQIGTVSP LFOKLENDQIESLRQRFGGQAKTSPKPAVVTVTAKPQOIQ LMDEVTRQGNIVRELKQKADKNEVAEVAKLIDLKQLAVAEK KPPAPKGGKKK</p>
5899	326	1078	<p>NCPKSRPFGVRAFSLSPIRAAMALSDDVDVKQKEMMAFLBQ EANKAKRIDAKAEKFNIERGRLVQTQRLKIMEYTEREKQIE QKQKILMSTPRNQARLKVLRAENDLISDLSEAKRLSRIVEDP EYQGLLDXLVLQGLLELSPVMIVRCR/ODLLVEAAVOKAI PEYMTISQKRVV/QIDKEA*LAVBCSWEVWEVTSQRIKVSX TLERSLDLSAKQMPETRMALPGANTNRKFFI</p>
5900	64	1409	<p>KAAERDSCLEPCPLGVSSHDLOHRMWHYHRLSHLSRIQDLK GGVTPALPQPNFESLLPLAVNHTASKSLTCAWQHEHPEL KYANTVMRPDYVHLRDECRSASCYSKTHQRLDITASVDLCIK RTIRLDSTTLFPINPDGRTVKYDLNVLNSTRGQKQKVIQPRI LWNAEYQQAQVPSVDCQSFLETHBGLKKFLQNPFLYGIAPVEN VPPTEHTEKLARIISLIRRTYGRMNYFTSDPSRGTATTKLA LDRHTDTTYQRPQGIQVPHCLHBCCTCCRTLLVNGFYAARQVL</p>

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			QKAPFEPFALSASAI\KHETLEDVGRCHQPHDMDMAQS*YSTHG/YEELYLRVYNYDRAVINTVPYDVVHRWYTAHRTLTITELRRPEFEPVVELQPGVLFIDNRVVLHGRECFCTGYRQLCCCTLTDDVLNTRALLGLQA
5901	1	2121	VALBQTSLEDMQAVGGAPARPTGSEYICNQBAKYTSLSQPTHLKTHLDTVLPKLTCPQCKHFFNQESLLEKRVTHFMITSTYYICE SCDEQFTSVDDLQKHLDMHTFVFFRCTLQGVFDSKVSIGLHL\AVKHSNEKKVYRCTSNNDFRNFDTLQLHVKNHLESQGVKHK CIPGGSFGTEVELQCHITTHSKKCNCKPCSKAFHAILLEKHL EEKHCVPFTKTPNCGTNGASEBQVKEEVLQTLTNSQBSHSH DGSEEDVDTSEPMWCGDICGAAYTMTLLQHEQLRDNIRPGES AIVKKAELIKGNVKNVCNRTFFSENGLRGEMQTHLQPVKEYM CPIOGERFPFSLTLTEHKVTHSKSLDTGNCRIKMPLOSEEBFL EHCQMEFOLRNSLTGFRVCVCMQVITSTLEKLCHGTFFMQKTCN GSAVQTTGRGQHVQKLVKASCLKEPRSKQELVKLDINGLPTGL CAGCVHLSKEASPGINVPCTHPRGLQGHENLSAIBKXGEGGL KTRCS*LATPEF*VLKVELPEHPKPHRGVSFSDSSTQLKTP QVSPMFRISPSQSEKKTQCTKCMVVFYNEWDIQRVANHMD EGLNHECKLCSGTFDSPAKLQCHLHSPSGNGGTFPCPVCTV FVQANKLQQHIFSAHGQEDKIYDCTQCPQKFFPQTLQNHMTQ HSS
5902	712	209	LKRRRSRPSIRQSIGSTSVSRNLTSLFTYLDHTADVQ*V*REF IPLXPRQ*ED*MFQSWLHAMGDTLEBAFEQCAMMPOYMTDTGT VEPLQTVREVTQGDQLSLLEHFLDBELKFSADFFIP\GWGE EPLSLSKHQGTETVKATTSAMQVNEENPEVVIIDI
5903	2106	735	DTPGFSLPSTTAPFSLRSLSPFSRPSYLLPGDPQLQGRGLPT PALFALSAPVGGASPMPPSGLRLPLLLPLNLLVLTGRPAAGLSTCKRTIDMLVRRKRIBAIRGQILSKIRLASPPSQGVPPGP LPEAVLALYNSTRDRVAGESARPEPEADYTAKEVTVLMVET HNEIYDKPKQSTHSIYMFNTSELRAVDEPVLISRAELRLRL KLVQEQLVELYQRYENNSWRYLSNRLAPSDSPENLSFDVTGVV RQWLSRGGEIEGFRLSAHCSDSRDWTQLVDINGFTTGR\RGDL ATIHGMRRPFLLMATPLERAQHLQS\SRHROAL\DTNY\CFSP HGGNCLRC/VHC*HLIFRDL\GW\KWI\RE\PEYHAFCL GPCTYINSLOTQYSKVALYINQ\HKPG\ASAP\CCVPQALRF\ LPVIVY\VGKPKVBQLSNMIVRSCKCS
5904	3	1126	MMEEIBNAINT*KEBQRLITYELIYEKRTTMBELSAISRIKIDTW ALGHSSETRAPRALESKVPVDKVTPTLPEBVLDFEKLQQTGG RQGANDDYDHQNFVVRNKHGKPTFMEBVLLEHLPQTQDEVOQ HBQVYQKPLALRERKESIQINKTKKQKREEIFKLEHODNTP VLFPHKQEDNQKKEBQKQKLAVERAWKQKESIMSKCASQL KREERKQKHQKROBPQLKLLLESTYQKKEQEEFIRLEKRI RECAKAKKKNAADEISRPOEDLHKLKILDRQAKEDKSQ KORRLAKLKEKVENNVSRDPSRLY/NT3QLGRTNQKRTNRLN ATSTYPT*GYSNLETRNTEKSMR
5905	287	2912	MASFPPRVNKEIVRLRTIGELIAPAAPFDKCCRENTVAPAD DGSYFANSQGHRTVRLVPSQCLQFLLHGTFNVTNSSLRLPR QNSDGGQKPKPREHIDQGDIVMSLAPGSSVPERQSRVCNIEBH RPRFGQDQLLATGLNSGRIKIMDVYTGKLLNLVDHTGVVRDL TFAPDGLLLVSASRDKTLRVWDLEDGN\MMKVLRGHQNVY\ SCAPSPDSSMICSVGSAKAVVAAILV*LRICHESHTGATMVL SNAERVASLATGLGATFTIG*SNLAFVLQGVLYVERCMSMTFCF SFFLFFFFVVISPTVKH*LLSKLIQFYIGISLTSETNLM*SI WLSNGPSVLFPGLSDSRDILRL*PHLKPVLIPT*K*CIVSQK KKKPKRIALLQERLS*DKPPSSILI*QTEVNIRILPRAILES* LLIFRI*NCI*TYS*IIDPFYIQMTYDRG*FGKKNVFP*FIEM *LYYPKIAFSPCNV*HPCCLPKKPHLAVNLPACISCPSS*A QVGDPSLL*TSYDLKRCOWSNLLTLRFLSVYFFKLVVSGKK REGGL*YLTLFISVYPS*LVFGINGQYSFVVKLHCLYFMRLLI PKLTFWNI*NRICMSALINLKTDPNLMTLSIFPKLIITYNA* YNLN*I*QP*YEMCHPVLCHSE*SYNICLFIAGP\LHMDRYTM

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			ERKLEGGHEDVACDFSPDGLLATASYDTRVYINDPHNGDILM EFGHLFPPTPIFAGGANDRWVRSVSFSDGLFVASLADDKMVR PWRIDEDYPVQVAPLSNGLCCAFSTGDSVLAAGTHDGSVYFWAT PRQVPSLQHLCRMSIRRVMPTEQVQELFIPSKLLKFLSYRI
5906	146	2038	REGAGSGRMASGA\YNPYTEITEQPRQGRNFRYKCBGRSAGSI PGEHSTONNRTYPSIQIMNYGKGRV\RIITLVTR\NDPKKPHF DLVGKDCRD\GYEAFGCE\RRP\LFPQN\LGIRCVKKEVKE A\IITR\IKAGINPFDVP*QLEDIEDCDLWVRLWPRVFLPDG HGNL\TTALPPV\VSPIYINRAPNTAELEVCVRNKGSGVRGG DEIPLLCDKQKODIEVRPVLNDWEAKGIFSQADVHRQVAIVPK TPPYCKAITEPVTVMQLERRSDQEVSESNDFRYLPDEKDTYGN KAKKQKITLLPQKLCQDHVETGPRHVQDGLLELLTSGDPPTLAS QSAGITVNFPERPRPGLLGSIGGRYPKKEPMLPSHDAVVRMP TGVSSQAESYYPSPGPISSGLSHEASMAPLPSSSWSSVAHPTPR SGNTNPLSSFSRTILPSNSQGI PPLRI PVGNDLHASNACIYNN ADDIVCMERASSMPADLYGLSDPML\SNCSVMHTTSSDSMGET DNPRLLSMNLENPSCNSVLDPRDLRQLHQMSSSSMSAGANSNTT VPVQSQDAFBSDFSCADNSMINESGFSNSTHPSHVVDUSQY SGIGSMQNEQLSDSPFYEFFQV
5907	99	1873	TYLLSSWS**MLDTYKSKQV/V/ERGHKKLSWYPQPAKQNGK KATSKVPASAPHVPHNDHANREAEKCKKQVEMREKQQAAREQE RQKRRTIESYQDVLRRQREPEHKEEVLQBLMMPQLDDEATRK ATYKEPRKVVETDVLVLDARDPLGCRCPQMBRAVLRAQGNK KLVLVLNKIDLVPEVVEKWL DYLENELPTVAFKASTQHVKNL NRCSVPVQASBELLKSKACFGAENLWRLVIGNYCRLEGEVTRHIR VGVVGLPNVGSSELINSLKRSRACSVGAVPGITKPMQEVYLDKF IRLIDAPGIVPGFNSVGTILENCVHVQKLADPVTPTVETILQRC NLEZISNYGVSGFQTTREHFLTAVARLGRKKKGLYSQEQAAK AVLADNVSGKISFYIPPPATHLPTLHSAIBIKEMTEVPDIEDT EQANKDTECLATGESDRLGDTDPLEMBIKLLHSPMTKADAI ENKTTVYKIGDLTGCTNPNRQMGWAKRNVDRPKNSNMDVC SVDRRSVLQRIMETDPLQGGQALASALNNKKNQKQKRAKLIASKL SDSNMSALDLSQADDDGVGD
5908	247	975	HCGIKRKGEGSGSPSPASGGFQLGCQIPSPSLPSRETHPHTRA HRTLRATLIRPPRSHSTLRFPNPLDGGGLASNK/PMRER* GWRPAPAKAGASLGVAATGKRCRMSERYLQKATRGKLLIIPI VTLNQEVVSSANHHKAAHVKTGTCEVVALHRCCKENKIBERSQT VECSCTPGQVAGTTAAAPSCVDASIVEQKWNCHNPCLGREGCK VLPDRKGWSCSGGNKVKITRVTH
5909	1	5002	PAIPGSTIWAAPGSHSAARADGRHGSLSFSQSQAPGALCGARAP SSNLRADRSMI CAQARAGENLYHNRFLGLAAMAFPSRNSQSLRR CKEPIRYSYNPDQPHNMDLRGGPHDGVTTIPRSTSDTLVTSDSR STLMGRSSYYSIGHSQDLVIHWDIKKEVDAGDWIGMYLIDBVL KNFLDYKNGVNGSHRGQIINKIDASSYPVPETKICPKYHGV SGALRATTPSVTVKNSAAPIFKSIGADETVQGGSRRLISFSL DFQAMGLKGMFFNPDYLIKISIQPKHSIFPALPHHGQERRSK IIGYIVNP IWQAEQFSFVSLPTDVLIEVKDKFAKSRPIIKRFL GRLSNPVQRLLEKHAIGDRVVSYTLGRRLPTDHSVGLQFREFI TGSINHPDDEEISLSTEPESAQIQDSPMNLMSRSGSGEPREAPE SSESWKPEQLGEGSVDRPGNQSIELSRPAEAAVITEAGDOGM VSVGPEGACELLAQVQKDIQAPSAEELAEQLDLGEASALLLE DGEAPASTKEEPLLEEATQSRAGREKEKEQEREGDVSTLEQG EGRLQLRASVVRKSRPCSLFVSELESTVIASACDPETPRTHYIR IHTLLHMP3AQGSAAREEDGARREESTLKDSEKDLSEVDIV AADPSALEEDREBEAGATPCTAHPGSHGGHFPPLANGAAQDGT HPSTGSESDSSPRQGGHSCRCGDASCCSPSCYSSSCYSTCYS SSCYSASCYSPSCYCNRFASHTRFSSVDSAKISESTVFPSSQDD EREENSASFESVPDSMQSPELDPESTNACAGPWQDELAAPSCHVER SPEGLSEFVAGPSNRREGSCPILHNSQPVSLRPEHHPPT IDEPLFPNWEARIDSHGRVFFYVDHVNRTTWRPTAAATPDGMR RSGSIQCMELNRRYQNIQRTIATERSEDSGSGSCQAPAGGG

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			GGGGSSEARSSQSSIDLERECSLSPVNSQKITLLIQSPAVKPI TNPEPFTVLHANYEAYRVFTSSTCLKHMLLVRRDARNFERYQH NRDLVNFDMFADTRLELFRGWEIKTDOGRSPFVHNSRATTF IDPRIPLQNGRLPHLTHROHLQRLRSYSAGEASEVSRNRGASL LARPGLSLVAIRSQHESLPLAYNDKIVALELQPNIFBQLQR RQPSLARNHTLRKCHYIRTEGNEGLKELSCDADLVILLSLFEB EINSYVPLQAAFPFGYSFSPRCSPPSSPQSPQLQASARAPSP YRRDFEAKLWFFYRLKAGFGQGGPKIKLIIRDDHLLBOTFNO VMAYSRKELQNKLVTFVGBEGLDYSGPSREFFPLLSQELFNP YYGLPEYSANDTYTVQISPMESAFVZHLEWFRPSGRILG\LALI HQYLLDAFFT\RPFYKALL\RLPC\D\LSULYLDKEFHQSLQW MKDNITDILDLTPTVNEVFGQVTERELKSGGANTQVTEKNEK EYLRMVVMKRVVERGVVQTEALVRGFFYEVDSELVSVFDARELE LVIAGTAEIDLDNRNNTYRSGYHGDHLVIRWPAVERFNE QRLRLQFVTGTSVFFVEGFAAPFMBPMLRRLFP*KKWGKITS LDFRG\HTCLQPDNDLPTVSPRTMPLYK\LITA\VBETSTPOT VAFPAAMBPGRTQIKLDFRYTADLLEVLKTYGIPSACFSQPT AAQLRLALGPVRLALTSLLTLLAIGSIAIFLEDAVYLYKNTLCP IKRRTLLWXSAPTUVSVLCCFGLMIPRSLVIVEMTITSFYAVC PYLLHLVHVEGGGKEAVLRTLRDTPMNVHTGPCCCCCPCPR LLTRKILQ\RCWALSNTPS*R*R*PNWACFSSPTASMTQQTPL RGACLYGSTLSSA\CSITLLALNTIGIISROARLHLEGDMGAKP ALPQVLLILITALQPSIFSVLARGGQIACSPFYSSKTRSQVMNCH LLILETFIMTVLTRYRRKDKKGYETFSFPDLNLKALRNM AWIMRGCCTH
5910	1526	446	QPLAPCTQGGKLEMRSPKQSFILRSSHSGAGLLVKNPSTPVF CGHRRGGAAFTYKPTFVVGPEQRPTGQKHMGGVSLSPRECS GTLSABCHRLPSSSNAPAS*LAGITGVCHHAQLIFVYLVET GPHVVGAGLELL/NVVIHLPRPPKVLGLQA
5911	109	595	MILNKALMLGALALTVMSPCGGEDIVADHVASVGVNLYQSYGP SQQYSKBPFGDERFVVDLERKETVWQLPLFRFRFRFPDPQFALT IAVLKHNLTIVIKRSTAAATNEVFEVTVFSKSPVTILGQNTLI CLVDNIFPPVNIITWLSNGHSVTEGVSETRPSSPKSDHFIJLQDQ VTSPPFPFB*DL*TAKVBQLGANFEPILLKHGABIPITTL
5912	924	277	QLRMAGAEAGRGSELEFPVSVLVLEDEBELENEACAVLGGS DSERKCSYSGQSVKQALYACSTCTPEGKEPAGICLACYEBGGS HKLPELYTKRNFRCQGRSKFKHLECKLLPDKAKVNSGNKYDN FPGLYCIERPYPDFEDIIDEMIQCVCEDWPHGRHLGATPPE SGDFQBVQACMKRCSFLWAAQAVTKIST\GMMDWGTLM B*/DDQVYIKPENGHQDSTLKEDVPBQGGKDDVREVKVQNSRP CAGSSSRSDLQTVFINSLSNARSXSGCKLQELKAKQLIKRDTAT YVPLNWSKLCCTQDCHMYGDLVLFITDEYDVLAYENKGI AQATDRSDPLMDTSSMNRVQVVELIC/GIQ*FED
5913	46	1198	NLGGSELPPREALPTQVAMNQRRVDFYASIEDMLVAI/GGRN ENGALSSVETYSPTDSWSYVAGLPRFTYGHAGTIYKDFVYLSG GHDYQIGPYRKNLLCYDERTDVMBERRPMTTARGWHSMS*GDS TYSIGGSDNIBSMERPDVLGVEAYSPOCNQWTRVAPLLHANSE SGVAVWEGRIYILGGYSWENTAFSKTVQVYDRBADKWSRGVDLP KAIAGGSACPIAP*SIGQRTRKRAKARGTETGASDPSCASWDH PHHLPGLCRPAATS
5914	960	124	FFGRFTRFLKLRRRRRARIQAPHCIUSFRPRCTPPGALQAPEA PASRAEGPVAVVNGHTEGPAPARSAPKEPGLRPLGSPFPCPT PQEDFPALGGPCPFPMPPSPGFSAVVLLRGTPPPPPGLVPPIS KPPPGFSGLLPSHP\PVSPAPPPPPQX/RPRLLPAP/PGLPS PRELPGRKPSAHPVHGLPAERRGLQRVQEPRLRGVQTGPDLS FVLQELPGPAGGEFFGL**AAGPAAH
5915	1604	703	SFRMWEIWPWHRWESFSEGENPSPRIPEPSPDSTRTSTSGEGR TVTGAVHHLHVVAGIIPWVLSQLKPTAATAOQWTSQQYPDB PTRLILO*NOATADKN*TTALLQPHQRL\VSFEMAEA
5916	256	633	ARQILTYLEP/ICLVVYNKILTVFLTKSVLEI*KFIHTPQTYR
5917	1343	827	

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5918	13	1247	<p> F*NDFFGKKEVYVSRLRRTSP/RLAVTFLBQAVVSKBCVPVDQ FMEHLPSLLSLASDPVNVVLLAKALRQMLLEKAYPRNAGNP HLEVIRETILALQSDRDQDVSPPAALBPKRRTIIDTAVLEKQN BBAQVARRRSRRQWRAGRCGEGRGRRARCTGGRGPPGRPRPLP PGPARRRRRMETPTFGDEALSGLGGAGSGSGTTFASPORLPFG APPTAAGSMKKDALTLSEQVAAALKPAPAPASYPPA/ADG APGAAPPDGLLASFGLGLLKLASPELERLIQSNGLVTTTPTSS QPLYPKVAASEBQEFAGPVKALEDLKQNLQAGRAAAAAA AGGPGSGTATGSAAPGGLAPAAAAPAPVYA/NLSSY/AGGCRGL RGGAA/VAFAPFPVPPPPPPFGALGPERP/RLALQGRRPQTV PDVP/STGESP/PLSP/ET/DTPRI/KAKRRL/RNPQIRAPK PASRKLAGSRALERESEDPSPSPHESLASTASLLRQVAQLK QKVLSHVNSGCOLLPQHVPAY </p>
5919	1	4254	<p> TSVQGDSSQGTPTSSQGSIMRHWISQAIHGSTTSTSSSSTQSG GSGAAHRLADVMAQTHIENBSAPPDVTYTSRHSIQVERPQGST GSRAPKYGAELMETGQGVPSRVSARKIQQLVNLTLEKPRRP LREFPVDDPEELLEVQQPDNPQPKPEGAQMLAMRGEQLGVVITW PPSLEALQRNGTISPKAPCLTMDTSGKFLYLLTYGKLNTRSM EVAYSILHELGTQEFMVRPGDEVALVFPNDPAPFMAAFYGCCL LAEVVPVPIEVPLTRDAGSQQIGPLGSGGVIVALTSACHRG LPKSPGSGIPQKQWKLNFVTRSKHSEKPPDWF/PHIKDAM NDTAYLEYETCK/DGSVLGVTVTRTALLTHCOALTQACGYTAR TIVVVLDPKKDVGLMHGILLTSVMHMHVLSIPYSLMKVNPLSWI QKVCQYKAKVACVKSMDHVALVAHRDQDRIHLSLRMLIVADG ANFWSISSCOALNVFQSKGLRQEVICPCASSFEALTVAIRREPT DDSNQPPGRGVLSMHGLTYGVIRVDSEKLSVLTVDVGLVMFG AIMCSVKPQDOVQLCRTDEIGELCVCAVATGTSYVGLSGMTNT FEVFAMTSSGAPISEYPPFRTGLLGPVGPGLVFFVVGMDGLMV VSGRRHNADDIVATALAVEPMKEVYRGR LAVPSVTVLHDERIVI VAEQR*DSSTEEDSFQMSRVLQAIDS IHQGVGYCLALVPANTLP KPLGGIHLSETKQLEFGSLHPCNVLMCFHTCVNLPKPRQKQ PRIGPASVMVGNLVSGKRLAQASGRDLQIENDQARKFLPLSE VLQWRAQTTPDHLTYTLNCRGAIAESLTCVQLHKRAEKIAYML MERGHLQDGDHVALVYPPQIDLLAIFYGCLYAGCVPTVVRPPHP QNIATTLPTVMKIVEVSRSAELMTTQLICKLLRSRBAAAVDVR TWPLILDIDD*PKRPAQICKPCNPDTLAYLDPSVTTCMLAGV KMSHAATSAPCRSILQCELYPSREVAICLDPYOGLGFVWCLC SVYSGHQSLIPPSELTPALWLLAVSQYKVRDTFCSYSVMEL CTGGLSGQTESLKARGLDLSRVTCVVVABRRPRLALQSPSKL PKDLGLHPRAVSTSPGCRVFLALCLQGTSGPDPTTVYVDMRALR HDRVRLVERGSPHSILPLMSOKLLPGVRIITIANPSTKGPLGDSH LGRIVHSAENASGYFTIYGDESLQSDHFNRLSPGDTQTINAR TGYLGFLLRRTLTDANGERHDALYVVGALDEANBLEGMRYHPID IRTSVIRAKSVTECAVPTWNLVVVVVZLGSBQALDLVPLV TNVVLREHYLIVGVVVVDIGVPIINSRGEQRMHLRDCFLADQ LDPITYAYNM </p>
5920	1381	1499	<p> QLGAVAHAGVSRIPP*LPFPLHPTFLSLNCLHKLK/HPFGASH VRPPVVRPRPFAHISSVRQASTQVPRTVPHQVANIQTQTPGP SGVGCTPGRPILLCKCSAAHSTYRQEPVAVHFGQEPLTASM LAAAPLHEQKONIGERLYPLIHDVHTQLAGKITGMLEIDNSRL LMLBSPESLHAKIDEAVAVLQAHQANEQPRAYMH </p>
5921	727	157	<p> VCPCTGGH*GLNGQLGLPKETPLKPMDAFTGSGLEKRFDDVDV GSSVNSDDKISSSDSADSCSLNPPTASPTPTSILKROQLR RENVRPDQVTYYPARRQGFTSVPSQGGSSLGMAQRHNSVRSYT LCEPAQEQSVNHREILREHLKEEKHAKMKLITNGTVESVAD GLTLDDVSDKIDVENVEVDYFLOPLTKRRRALLRASGVHR IDAEKKQLRLAIRLSREECGDCRLYCDPEACACSQAGIKCQVD RMSFPCCGSRDGGNMAGRIEFNPIRVRTHYLHTIMKLELESER Q/GAAQQPO/*GALPDQQLQPDRTGL*DPNIGSEGLSFTGEG AAATHLIILRVIENRGABGRK </p>
5922	2475	495	<p> SYSNWGLPPSVFTQVPRSTGNLKIIFLYFSYR/CMETLKG/T </p>

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			CLYNATQYKVCSPRNDPACYNPSEPAATTVFIRITGLLIGDT SKIITRTBEKEIPKQITLRFDAACAINSKLEIGCCSIN*ERS* RVENKIVCHESGVCKKCAWPCVI*AT*KKNKDSVTLQKEAN PSCAAGHCNPLELITITPLDPHKKGGRVTLGDNRTGLKQVVI LIRGEVHKCSVPVPQTPYEELNLPAPHLKKTNLFQLASNV IPLLNGTSCYVRGOTTIGDRHPWA*ELVPTOPAPDIPI*KAE ASNP*VLKTSIIRQYCIAREGKDFIIPVGGKFCIGQLYESTTK TIT*DLNHTKXPPFSKSLTA*AHASH*DMTVPSGLY*IC RHRAYRLPNKNADSCVIGTIKPSFLLPIKGLLOPSVYASR EKKGIVIGNWKDNENPRERIIQYGPATWAGQGSWYR/TP/VY MLHWIIRLQAILIISNETGBALTVLAWQBTOMRNALYQNRAL DYLLVAEGGVCRKPNLTWCCQINDQGVVKNIVDMTFLAHVP IQVWHKFDPSLFGKWPFAIGGFTLIVGVLLVIRTCLLPCVL PILLQMIKGIIVATLVHQRTSAHVNTMNHYSISQROSKSEDESE NSH
5923	137	638	QLCHREGQRFETSIKRMHPI*KTCPTNL/IILLSQENTQIRDL QQENRELMISLEHQDALELMSKYRKQMLQIMVAKKAVDARPV LQHQSHSABIESQIDRI CEMGEVMKAVQVDDQPCFKIQEKLA QLELENKELRELLSISSELOARKENSHDTASQAIK
5924	274	2146	EKGKVKDAGAEQWISLSLSCSKSWHTQPSNHLNLSLTPPTSVERM PLITTVTLKMWARHEMLLCSKAFSTOLQOKIPLNSOMGIHND SVCKMLKPNSTSHIISILGQPMALVOLETAPLTI I IQKPOTQD RMKFWNLPLRSEHLTPSVPTVIPKKTGSPRIKLTITRTIQNG RELPESLSCGDLNWRVQASE\Q*MQSIESRKKRKKSNKEDSSR SEERKSHKIPKLEPSEQNEPNERVDIVSEKPRERVLKBSGSS ANTI PCSNNGSVHW\BKQVQDLVMSKVGTYFWMPCHVSSDPQL EVHTKINTRGAREYHVQPFSSQPERAWVHKRVREYKGRQYEE LLAEATQASNHSEKQKIREPQORERAQWDIOIAHAERKALMT REERTIQYTFIYIDKQPREALSQAKSVASKTEVKTRRPRSVL NTQPEQTNAGEVASSLSSTIRKRSORRHTSABEEPPPVKIAM KTAARKSLPASITMHKUSLDLOKCMSPVVCIHQVAFALQATG DGKFIQDFVYSTKIGNKTRI SVRQDRLIISTPNQRNEKPTQS VSSPEATSGSTGSVEKQQRRIIRTSSEKSTEVVPKKIKK QVGFHVES
5925	216	1911	NMTABREATGLSPQAQKKGIVIVKVEEEDRDMNGQDSTL QDTPPPDPETPRQRFRPCYQNTPGPREALSRLKELCHQMLRPE INTREQLLELLVLEQPLSTLPELQVWLQETRPDSGKEAVTILE DLRLDLSCQVPGQVHSPMLARGMVPDLPVQRSSSFDLHHEAT QSHFKESSRKPRLQSRALPAAHIPAPPHEGSPRDQAMASALPT ADSQAMVKIEDMAVSLILEEWGQNLARRNLSRDNREQENTGSAF PQGGENRNERSTSKATSEDSASRGTTGRSQKFPGEKRDQR CKTGERQQKNPREKTRKRRDSSPAIGDKKTTTGERGPREKRG GIGRSFSLSENFTTPEEVTGTESERCEQCKCFTRSSSLTRHK IHTGKPYECSECGKAP\SLNS\NLVLEHRI\HTGKPEHCNE CGKAPSHSNLILHQRLHSGKPYECNECGKAFSSQSD\LTKHQ RIHTGKPYECSECGKAPNNSYLLHRRVHTREKPYECTKQGR \AFTRSSSTLTLHHRIRARERASEYSPASLDAPGAFKSCV
5926	2	233	DRCLMLKQSGSPGSPAT/CKPPAPFVYQAPCQSCPBPFGAHP SDSPHITPVHPFPHSAACPAPATCCPPPRSSMS
5927	4146	1248	KHPSKPGSQALYQLKRPASGQNSISVMPAQKITKPAKYGIPLA YKYGDKLLEKKPLQKHQAHTFNRKRVNTGERRKISBEAR KRRLEPIEKKKKQKQDIISLAKACQMKRQKELERINRAREQG WENVL SAGSGSEVKAPFLGSGGTIAPSSFSSRGQYHYBAIFDQ MQQRAEDNEAKVIREITYGRGLPERQKQGLAVERAKQVEEFLQR KREAMQNKARAGCHGISLQNLAAMTGGRPSSSRGKFRNKEEBV YLARLQIRLQNFNRQOI KARKLGEKKEANHSBQEGSEADMR RKK\IESLKAHANARAALVLEOLEKRRARAYKREKKVWBEHLV AKGVKSSDVSPLGQHEGTGSPSEKQMRSVLSVTSALKRVGVS SLTUTRETSKEMQTNNAISSKRIILRRINENLKAQMKERKQN LSDTFEINVEDAKKHEKESVSSDRKWRAGGQLVIPLDELTL DTSFSTTERHTVGEVILGPNCSERRANGKSPDTSVLEILGEAR

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			LQLQTELENTTIRSEISPEGEKYPKLTGEEKVQCISHRINPS AIVDSPVETKSPFSEASPPMSIKLEGNLEPDDLETEILQEPS GTNKDE\SILPCTITDWWISEBKETKETQSADRITIQENEVSDEG VSSITVDQLSDIIEPTINDSQHSKCDVSKSVQPEPPFKVHSE HLNLVPOVQSVQCSPEESFAPRSHSLPPRNKNKNSLLIGLSTG LFDANNFPHLRTCSLPDLKLPRTLMOVPTVGDVQDNLEIDRI EDENIKEGPSDSSEIVFRETDTDLQELQASMEQLLRQPGREYS EKEESVLKNSDVEPTANGTVDVAEDDNPSSSALNEEWSHNSD GEIASRCECDSEVNHLEELRLLEQEMGFPRKFFVYKIKAIHE DEDENIEICSKI VONTIGNEHQHLYAKILLHLVMADGAYQEDNDE
5928	4146	1248	KHFSKPCSOALYQLKRPAGONSISVMPAQKITKPAKYGIPLA YKKYGDCKLHKKRPLQHHQDAHQTPKRVNTGEERRKISEAAR KRRLEPIEKKEKQKQDIISLAKAPQMKRQKRRERINRAREQG WRNVLGAGSGEVKAPFLGSGGTIAPSSFSSEGGQYEHYHAIPOQ MOQQRADINEAKNKRBIYGRGLPERQKQQLAVERAKQVEEVLQR KREAMQKARABGHMGTILQNLAAHYGGRPSSRGGKPRNKREEV YLARLQIRLQNFNERQQIEAKLRGKKRANHSBGQSGSEADM RRKK\IESLQAHANARAAVLKQLERKRRKAYRRKRVWEERLV AGVKSSEDSVPLQQRHETGGSPSKQMRSVISVTSALKREVGVD SLTDTRETSEHQKTNALISSKRRILRELNEHLKAQEDKRGKON LSDYFEINVHEDAKHREKESVSSDRKWEAGGQLVIPDLDELTL DTSFSTTERHTVGEVILKLPNGSPERRAWGKSPDLSVLKILGRAB LQLQTELENTTIRSEISPEGEKYPKLTGEEKVQCISHRINPS AIVDSPVETKSPFSEASPPMSIKLEGNLEPDDLETEILQEPS GTNKDE\SILPCTITDWWISEBKETKETQSADRITIQENEVSDEG VSSITVDQLSDIIEPTINDSQHSKCDVSKSVQPEPPFKVHSE HLNLVPOVQSVQCSPEESFAPRSHSLPPRNKNKNSLLIGLSTG LFDANNFPHLRTCSLPDLKLPRTLMOVPTVGDVQDNLEIDRI EDENIKEGPSDSSEIVFRETDTDLQELQASMEQLLRQPGREYS EKEESVLKNSDVEPTANGTVDVAEDDNPSSSALNEEWSHNSD GEIASRCECDSEVNHLEELRLLEQEMGFPRKFFVYKIKAIHE DEDENIEICSKI VONTIGNEHQHLYAKILLHLVMADGAYQEDNDE
5929	3	1558	LDFSMPTQLPAYVAILLPTVSRASQDPTTAARVYHAAILEPNAT LTPVERKEALALNNRNLDIIEGALTSAADQGAHIIPTPEDAIYG WPNRDSLYPYLEDIPDPEVWIPCNRRNRPGQTPVQERLSCL\A AKNNSIYVYANIGDKKPCDSDPQCPDGRYQYNTDVVF\DSQG KLAVYHEKQALPMGNEQFNVPKEP6IVTFTTGSFGIFTCDI LPHDPAVTLVKDFHVDITVPTAMNVLPHLSAVEPHSAWAMCM RVNELASNIHYPSEKMTGSGIYAPNRRAPHYDNKTERGKLLS QLDSHPSSSAVWNWTSYASSIEALSSGNKEPKGTIVFFDEPTFVK LTVGAGNYTVQKDLCCILSYKMSNIFNEVVALGAFDGLHVE GRYLIQICTLLECKTNTNLTGDSAEASTRFEMFSLSGTFTGTQ YVFFEVLLSENQLAPGEFQVSTQGRLEPSLKPTSGFVLTVTLPGR LYEKDNASNASGQLTAQARIIMLIVLAPIVCSLSW
5930	113	6082	RGNCFHIVPPTMAQRTGLEDPREYLFVDRAVINPATQADWTAK KLWIPSEKRGFEAASIKEERGDEVVVELAENGKRAMVNRDDIQ KQNFPRFSKVEDMARLTCLNEASVLHNLDRYVSGLIITYSGLP CVVINPYKNLPIYSENIENYRGKQKHEMPPHIYALSESAYRCH LQDREDQSLCTGSESGAGKTENTKVIQYLAVASSHKGKRDEN IPGE\LERQLLOANPILESFGNARTVQNDNSSRFGKPIRINFQV TGYIVGANIETYLLEKSAVRQAKDERTFHIYYQLLSC\AGEHL KSDLLLEGFNMYRFLSNGYIPIPGQ\QDKGNFRGDPGEAMHMG PSHEKILSNLKVSSVLQFQNISFKKERNTDQASMPENTVAQKL CHLLGMNVMEFTRAILTPRIKVRDYVQKAQTKQADFAVEALA KATYERLFRWLVRINEALDRTKRQASPTIGILDIAQF3IFELN SFEQLCINYNKELQQLPNEIMPILQEEYQREGIENWPIIDFGL DLQPCIDLIERPANPGVALLDEBCNPPKATDKTFVBEKLVQSQ GSHSKFQKPRQLKDEADFCIIHYAGKVYKADENLAKNMDPLND NVATLLHQSSDRFVARLWQVDRIVGLQDVTGMTBTAFGSAYRT KRGNFRIVGQLYKESLTKMATLRNTNPNFVRCIIPNHRERACK LDPHLVLDQLRCNGVLEGIRICRQGFPRIVFQEPFRQRYELLTP

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			<p>NAIPKGFMDGKQACERMI RALDPLNLYRIGQSKIPFRAGVLAH LEKERDLKIDIIYFPQAVCRGYLARKAFKKQQLSALKVLQR NCAAYLELRHWQWVRVFTKVKPFLQVTRQEEELQAKDEBLLKVK EKQTKVEGELEEMERKHQQLLEKRNILARQLQAE TELFAAEEM RARLAARKQELERILHDLSESRVEEERNOILLQNEKKKMQAHIO DLEQLDEBEGARQLQLEKVTAEAKIKKNEEILLLEDONSKEP IKKKLMEDEIAECSSQLAEERKAKNLAKIRNKQEVMSIDLEE RLKKEKTRQELKAKRKLOGETTDLDQDIABLQAIQIDELKQL AKKEELQALARGDDETLHKNALKVVRLELQAIQAELOEDFES EKASRNKAKKQKRDLSBELKALTELROTLDTTAAQQLRTKR QEVAKLKALEEETRNHEAQIDMRQRHATALEELSEQLQAKR FKANLEENKQLETONKELACEVKVLQVKAESSEKREKLDAQV QELHAKVSEGDRLEVLAKKASKLOELDNVSTLLEKAKKGIK FAKDAASLESQLDQTELLQETROKIALSSRIQLEEKNSIQ EQEKEERAKNLEKQVLAQLQSLADTKKVVDDLGTTESLEEA KKLLKDAEALSKQLEKALAYDELEKTKNLQQLDLDLTVOLD HQKQVASNLEKKQ\KQFDQLAEKKSISARYAEERDRABABAB KETKALSLARALEEALAKKEFERQKQLADMEDLMSKDDVG KVVHELEKSKRALEQQV\BEMRTQLEEELEQLQATEAKLELV NMQANKAQPFRDLQTRDBQNEKRELLIKQVRELEAELEDERKO RALAVASKKMKEDLDKLEAQTRAAKARDEVIKQLRKLQACMK DYQRELEBARASRDEIFAQSKESKELKSLAEITLQLEELASS ERARRHABQERDZLADRTTHSASGREALLEKRRLEARLAQLER ELEEBQSNMELLNDRPRETTLLQVDFLNARLAERSAQKSDNAR QOLERQNKELKAKLQLEKAVSKFKIATISALEAKIQGLEQL QEAKERAANKLVRRTEKLLKRIFMQVEDERREADQYKEQMEKA NARMKQLQRLEAEAEHATRASRRKLQRELDATANEGLSR EVSTLKNRLRGQPISEFSSSRSGRRQLHLEGASLELSDDTESK TSOVNRTQPPQSE</p>
5931	113	5082	<p>RGNCFWIVPFTMAQRTGLEDPERYLPVDRAVIYNPATQADWTAK KLWNPISERHGFRAASIKKEERGDEVNVLAEENGKAMVNDKDIQ KMNPPKPSKVEDMARLTCLNEASVLENLKDRIYSGLIYYSOLF CVVNPYKPLPYSENIIEHYRGGKRRHMPPIHYAISBSAYRCM LDQREDQSILCTGEGAGETENTKKVIQYLAHVASSHKGRKDN IPGE\LERQLQANPILSPGNARTVQNDSSRFGKPTRINFDV TGYIVGANITYLLKSRVAVQAKDERTPHIFQQLSG\AGEHL ESDLLLEGFNYRFLSNGYIPIPGQ\QDKGFPGDPRGAMHMG PSHEEILSMKVVSSVLQPGNISFKKERETDQASMPENTVAQL CHLLGMNVMEPTRAILTPRIKVGDRYVQIAQTRQADFAVEALA KATYERLFRHLVRLINKALDRTORQASFIGILDLAGPFIPELN SFEQLCINITYNEKLQQLFNHTMFILEQEBYQREGIEWNETDPL DLQPCIDLIERPANPPGVLALEDKCNFPKATDKTTFVEKLVOEQ GSHSKPQKPEQLKADPCILHLAGKVDTKADSWLMEHMDPLND NVATLEQSSDRPVARLWKDVDRIVGLDQVTGTTETAPGSAYKT KMGFRTVGLYKESLTKMATLRNTNPNFVRCIIPNHEKRAK LOPHLVLDQLRCGVLEGIRICRQGFPRIVPOEPRQRYEILTP NAIPKGFMDGKQACERMI RALDPLNLYRIGQSKIPFRAGVLAH LEKERDLKIDIIYFPQAVCRGYLARKAFKKQQLSALKVLQR NCAAYLELRHWQWVRVFTKVKPFLQVTRQEEELQAKDEBLLKVK EKQTKVEGELEEMERKHQQLLEKRNILARQLQAE TELFAAEEM RARLAARKQELERILHDLSESRVEEERNOILLQNEKKKMQAHIO DLEQLDEBEGARQLQLEKVTAEAKIKKNEEILLLEDONSKEP IKKKLMEDEIAECSSQLAEERKAKNLAKIRNKQEVMSIDLEE RLKKEKTRQELKAKRKLOGETTDLDQDIABLQAIQIDELKQL AKKEELQALARGDDETLHKNALKVVRLELQAIQAELOEDFES EKASRNKAKKQKRDLSBELKALTELROTLDTTAAQQLRTKR QEVAKLKALEEETRNHEAQIDMRQRHATALEELSEQLQAKR FKANLEENKQLETONKELACEVKVLQVKAESSEKREKLDAQV QELHAKVSEGDRLEVLAKKASKLOELDNVSTLLEKAKKGIK FAKDAASLESQLDQTELLQETROKIALSSRIQLEEKNSIQ EQEKEERAKNLEKQVLAQLQSLADTKKVVDDLGTTESLEEA</p>

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			<p>KKLLKDAEALSQLERKALAYDKLEKTKNRLQQELDDDTVDLD HQRQVASNLEKKQ\KKPQQLAEKKSISARYASERDRABAEARE KETKALSLARALERALEAREEPERQKQLRADMEDLMSSKDDVG ENVHELEKSKRALBQQV\ENETQLEKLEDELQATEDAKLRLEV NMQAMEAQFERDQTEDEQNEKKRLLLIKQVRLEAKLEDEKRO RALAVASKKMBRIDLEAQIRAAKARDEVIEQLRLQAQMK DYQRELEBARASRDEIPAQSKESKELKLEAKTLQLEQLASS ERARRHABQERDELADEITNSASGKSALLDEKRLLEARIQLES ELEBEQSNMELINDRFRRTTLQVDTLNARLAAERSAAQKSDNAR QQLERQKELKAKLQLEGAIVESKFRATISALEAKIGQLEBQLE QRAKRAAANKLVRRTEKKLKEIFMQVEDERRHADQYKEQMEKA NAEMKQLKRLQLEBAKEATRAKASRRKQLQRELDATRAEGLSR EVSITLKNRLRGGPISFSSSRSGRRQIMLEGASLELSDDDTESK TSDVNETQPPQSE</p>
5932	33	572	<p>RHLLEECPLFLQKGRKILKLSGPRWEGKPRGTGGLMVAAEANNQ FGATLAVGLTIPLVSVVTIIICFTCSCCCLYTCRRPRPV\APP PHEPP/PVVHAPYQPPSPVPPSYPGPSYQYHTDPPQPGHAPAFY FMQYPPFYPAQPMGPPAYHETLAGGAAAFYPASQPPYHPAYMDA FKAAL</p>
5933	1	3190	<p>GTRKLEKMADETPGGSQKASSKTRSSDVHSSGSSDAHMDASGSPSD SDMPSRTTRPKSPREHNYRNESARESICDSPEQNLSPLEENKLEK APSIGKMSAKRTLSKKQERLEKQDEFAAARIYEEPLAAPFG SDGNKVKTPVRGGVVNAAKEHEHTDEKRGKITYKPSRFPADQKNP FNQSSNERPPSLLVITBKPPPLKKEGEEKKSNLELFRKELRQI QERDERHRTKGRLSRFBPPQSDSDGQRSMADAPSRNRSSGVL DDYAPGSHVDGDPSTT\NPYLGN\NPMNLKCCQEPGRFGP LASVKIMWPTDEERARERNCGFVAFMNRDAERALKNLNGKMI MSFEMKLGWGAVP\IPHP\IYIPPSMHEHTLPPPSGLPFNAQP RERLKNPNAFMLPPPKNKEDPBTLSQAIVKVVIPTERNLLALI HRLIEFVVREGPMPEAMIMNREINNPMFRFLFENQTPAHVYYRW KLYSILQGDSPTKWRTEDFRMFKNGSFWRPPLNPLYLHGMSEBQ ETEAFVEEPSKKGALKEBQDKLEELRGLTPKNDIGDAMVFC LNNABAAREIVDCITBSLSILKTPLPKRIARLYLVSDVLYNSSA KVANASYRKFPFETKLCQIPSDLNATYRTIQGLQSENFRQVRM TCFRAWEDWAIYEPFPLIKLQNIPLGLVNIIEKBTEDVPPDLD GAPIKEKLDGAPLEDVDGIPIDATPIIDLGVP\IKSLDDDLGVP PLDATEDSKNEPIFKVAPSEWZAVDESELEQAQVTTSEWLEFD QHRSEKKEBNQZERSEDEKDTQSSKSEHELYSNPIKEEMTE SKFSKYSSEMSERKRAKLRRIELKVMKPDDELESOKRPRKPGQSP QEQVHYRDKLQREKEKELERERERDKDKKLESRSEDKKREK DECTPTRKERRRSTSPSPSRSSGGRVKSPPSKSESRSESR SHKESRSRSSHXSPPROVSKKAKRSPSGSRTPKESSESRSRSP KESGKESRSQSRSPHRSKKS KGTNTGRKPFKAATVYWKDLF LCPEERSVF</p>
5934	1	3190	<p>GTRKLEKMADETPGGSQKASSKTRSSDVHSSGSSDAHMDASGSPSD SDMPSRTTRPKSPREHNYRNESARESICDSPEQNLSPLEENKLEK APSIGKMSAKRTLSKKQERLEKQDEFAAARIYEEPLAAPFG SDGNKVKTPVRGGVVNAAKEHEHTDEKRGKITYKPSRFPADQKNP FNQSSNERPPSLLVITBKPPPLKKEGEEKKSNLELFRKELRQI QERDERHRTKGRLSRFBPPQSDSDGQRSMADAPSRNRSSGVL DDYAPGSHVDGDPSTT\NPYLGN\NPMNLKCCQEPGRFGP LASVKIMWPTDEERARERNCGFVAFMNRDAERALKNLNGKMI MSFEMKLGWGAVP\IPHP\IYIPPSMHEHTLPPPSGLPFNAQP RERLKNPNAFMLPPPKNKEDPBTLSQAIVKVVIPTERNLLALI HRLIEFVVREGPMPEAMIMNREINNPMFRFLFENQTPAHVYYRW KLYSILQGDSPTKWRTEDFRMFKNGSFWRPPLNPLYLHGMSEBQ ETEAFVEEPSKKGALKEBQDKLEELRGLTPKNDIGDAMVFC LNNABAAREIVDCITBSLSILKTPLPKRIARLYLVSDVLYNSSA KVANASYRKFPFETKLCQIPSDLNATYRTIQGLQSENFRQVRM TCFRAWEDWAIYEPFPLIKLQNIPLGLVNIIEKBTEDVPPDLD GAPIKEKLDGAPLEDVDGIPIDATPIIDLGVP\IKSLDDDLGVP</p>

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			<p>PLDATEDSKENEPFKVAPSKWEAVDESELEAQAUTTSKWELEFD QHRESEKKEZKQKQKESSEDEDTQSSRSERHLYSNPIKEEMTE SKPKYSSEMSSEKRAKLREIELAVMKPQDELESGKRPKKPGQSP QEQVEHYRDKLLQRBKKEKLEERERERDRKDKKLESRSKDKKEK DECTPTKRRKRHSTSPSPSRSSSGRRVKSPPSKSRSESRSEK SHKSSRSSESHKDSPRDVSKKAKRSPSGSRTPKRSRRSRSP KSKGKRSRQSRSPHRSHKSKSEKNTTGRKFFKRAVTTYKCDLP LCFERSVP</p>
5935	3	4493	<p>SYNLGWNLSSEPPROPWAGWEGIGRFGTMAPVHGDDCRIGASAL SDGSGPVSSRRARREKRSKKEGRQEAERLEKAKAGERKYTEVEDP TGVYREVDREQYKLVQARQDDDDIVDDGIGYVEDGREIFDD LEDDALDADKRGKDGKARNKDEEVKLLAVTKPNKIKSMPLACA CKKTADKAVDLSDGLLGDILQDLANTETPQITPPFVMLKCKRS IGASPNPFSVHTATAVPSGKLASPVSRKEPPLTPVPLKARFAG DDVQVESTEEQBSQAMEPEDGDFDEPMVEVDLEPMAAKAND KESEPAHEVKQZALSCGKGTVSYLGSFLPDVSCNDIDQEGSSFS VQEVQVDSSHLPLVKGADBEQVFRFYWLDAYEDQYNQGVVFLP GKVVIESAEHVSOCVHVNERETLYFLPREMKIDINTGKTGT FISMKVYREPDKIKATKYKIMKFKKPVKENTAFELPDVPEKS HYLEVYSAEMPQLQDLKGETFSHVFGTNTSSLEFLMERKIK GPCHLEVKSTALNQPVSWCKVEMALKPDLVNVIKDVSPPLV VNAFSMTKQAKNQNBIIDAAALVHSPALDKAAPKPPFQSH PCVVSFKPKDCIFFYAEVIEKENVKEVAATERTLLGPFLLARV HEIDPDIIVGHNIVGFLEVLQRIHVCKAPHWSKIGRIKRSNM PKLGGRSFGFRNATCGRMICDVEISAKELIRCKSYHLSELVQ ILKTERVVIPMENIQNMYSESSQLLYLLEHTWKDA\KPIQLIMC ELNVLPLALQITNLAGNIMSRITLAGGSRERNFLLHAFYBNY IVPDQIFRKPQQLGDEDEIDGDTNKYKGRKKGAYAGGLVL DPKVGFDKPIILLDFNSLYPSIIQEFNICFTTVQRVASRAQKV TEDGBOEQIPHLPPDSLENGILPREIRKLVERRKQVKQLMKQD INPDLILQYDIQKALKLTANSMYGCLGFSYSRFPYAKPLAALVT YKGRBILMITKEMVQKQNLVITGDTDSIMINTNSTNLEKVPKL GNKVSEVNKLYKLLIDIDGVPSLILLKKRYAALVVEPTSD GNYVTEQLKGLDIVREDWCDLAKDTGNFVIGQILSDQSRDTIV ENIQERLIBIGENVLGSVPVSQFRIKALTKDPQDYPDKESLP HVFVALWINSQGRKREAGDTVSVVICQDGSNLASQRAYAPQ LQKQENLITDTQYTLAQQIHFVVARICEPIDGIDAVLIATGWEL \OPTQFKVHYHKKDEKENDALLGGPAQLTDEEKYRDCERFKCPCP TCGTENIYQNVFDGSGTDMPSLYRCSNIDCKASPLTFTVQLSN KLIMDIRRFIKKYTDGWLICEPTCRNRTRLPLQPSRTGPLICP ACWKATLQPEYSDKSLYTQLCFYRYIFDABCALEKLTDDHEKDK LEKQFPPTFKVLQDYRKLENTABQPLSRSGYSEVNLSKLPAGCAV ES</p>
5936	1124	139	<p>RQEEQDARFRFACLGFGERRLOKPSRLRAVHRSRAWTCYLAI RMLMATCCPSPPTTACTGPMQRAFFRLLVQKREADSSGLAFAS NSLQRRKGLLLRPVAPLRTPPILLISLPQDFQVSSVIDVDLL PETERRRVRLHKGSDRPLGFTYTRDGMVVRVAPQG\LERVPGIFI SRLVRGGLABSTGLLAVEDRILEVNGIEVAGKTLNQVTDMMVAN SHN\LIIVTVKPAQNNNVVVGASGRLTGPPSAGPGPAEPDSDDD SSDLVIENRQPPSSBGLSQGPPCNDLHPGCRHPGTRSSLPSLDD QEQAASSGWSRIRGDSGFS</p>
5937	31	1600	<p>PTSLKSTVQLMCRLLQKRYQCVYSLAEIFKVLASFYVILVIL YGLTSSYSIWMRLSSSLKQYSFALRBSKSNYSIDPDVKNDFAP LHLADQYDPLYSKRPFIPLSEVSEKLRQINLJNEMTVEKLSK LVKNAQDKIELHLFNLQGLPDNVFELTEMEVLSLELIPVKLPS AVSQLVNLEKLRVYHSSLVVDHPALAFLEHNLKILRLKPTMGK IFRWVPHLENLEKLYLSGCVLPEQLSTMQLEGQDLEKRLTYL KSSLSRIPOVVTDLLPSIQKLSLDNEGSKLVVLLNNLEKVMNLS LELISCDLERIPHSIFSLNNLHRLDLRENNLXTVEBIIISQHLQ NLSCLEKLMHNNIAYIPAQIGALSNEQLSLDHNNIENLPLQLFL CTKLHYLDLSXNHLFTFPEBIQYL\SNLQYFAVNNNIEHLFDG</p>

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5938	395	1865	<p>LFQCKLQCLLLGKNSLMNLSFVHGELSNLTHREPIG\NILETL PPELEGCSLKRNCILIVEENLNTLPLFVTERLQTCCLKC YKGGFFPCNQERGERRRKKKAMSSPNIWSTGSSVYSTFPVPSQR MTVWILLLLSLYGPPTSQKSDDDYEDYASNTWLTPEVPEGDV TVILNKLLEGVDNKLKLPDVGKPTLITHTMTVNSIGPVNAIDMB YTIDIFFAQTWYDRRLKFNSTIKVLRNLSHMVGKIWIPDTFFRN SKKADARWITTPNRMRLRWNDGRVLYSLRLTIDAECQLQHNFP MDEHSCPLRFSSYGYPREETVYQWKRSSVEVGDTESEWLQVPSF VGLRNTTEVVYKTSGDYVVMVSYVPLSRMNGYPTIQTYIPCTLI VVLNWSVPWINKDAVPARTSLGITTVLNMTLSTIARKSLPKVS YVTAMDLPVSVCTIPVPSALVBYG\TLHYFVSNRKPSEKDKRRK KNPAPTIDIRPSATIQMNNATHLQERDEBYECLDGEDCASP FCCPEDCETGAWRHRGRIHRIIAEMDSYARIFPTAPCLFELVYW VSTLYL</p>
5939	66	1404	<p>IRPGYLKEVQENSFGHRAGLEPPDFIVSINGSRLNKDNDTLKD LLEANVKEKPVIMLIYSSKTLRLRSTVTPSNLWGGQCLLGVSIR PCSPDCANENNVHVLVRESNSPAALAGLRPHSDYIIGADTVMB SEDLPSLIRTHEAKPLKYVYNTDNDCREVIITPNSAWGUEGS LQCSIGYGYLIRIPTRPFEEGKKLSLPGMAGTPIITLEDGPTTE VQLSSVNPSPSLSPPTTGIEQSLTGLSISSTP\PAVSSVLSTGV PTVP\LLPPQVNSLTSVPPHSSSYLHLFGIMPPTRQGLPNLPQ PSTFHLPR\PTHSWPGVGLYQEFVKPGVLPPLSSMPPRNLPQ\I APLPLPSEPLPSFPLVPRSSSAASSGELLSSLPTSNAPSDPAT TTAKADAASSLTVDVTPPTAKAPTTVEDRVGDSTPVSEKPVSA VDANASESP</p>
5940	145	717	<p>RRSACREASPRQSAGTAVTTGTRAGGTCLAAHHRMRNRADGRS LEKLPVDMGLVITEVEQBPSPFDIASLVVNCNAVGISYISVYDH QGIKRNNSRLMDEILKQQQELLGLDCSKYSPRFANSNDKDDQV LNCHLAVKVLSPEDGKADIVRAAQDFCQLVAQKQKRPIDLDVDT LA\VTLVQMVVLILI</p>
5941	13	6147	<p>MCLGEMGASSPSPSPFVQPPAPGLPFCGGSLAVVVLALPVA WQCNAPEM\LPAPRPTNLTKRFPPIGTLYNVECAPGYSORPP SIIICLNSVWTGAKDRCKRKS CRNPPDPVNGMVHVIKGIQPSQ IKYSCYGYRLIGSSSATCIISGDTVINDNETPICDRIPCGLPP TITNODFISTNRENPHYGSVVTYRCNPGSGGRKVFELVGEPSIY CTSNDQVGIWSGPAPQCIIPNKCTPPNVENGILVSDNLSLPSL NEVVFRCPQPGFVMKGPFRVKQALNKEPELPSCSRVCQPPPD VLHARTORDKDNFSPGQEVFYSCEPGYDLRGAASMRCTPQGDW SPAAPTCEVKS CDDFMGQLNGRVLFPVNLQLGAKVDFVCEBGP QLRGSSASYCVLAGMESLWNSVVPVCEQIFCPSPPVIPNGRHTG KPLEVFPFGKAVNYTCDPHPRDGTSPDLIGESTIRCTSDPQONG VWSSPAPRCGLLGHCAQPDHPLFARKLTQTNASDPIGTSKYTE CRPEYGRPFSITCLDNLVWSSPKDVCKRKSCKTTPDPVNGMVH VITDIQVGSRIINYSCTTGERLIGHSSAECILSGNAHWSKPPPI CORIPCGLPPTIANGDFISTNRENPHYGSVVTYRCNPGSGGRKV FELVGEPSIYCTSNDQVGIWSGPAPQCIIPNKCTPPNVENGIL VSDNLSLPSLNEVVFRCPQPGFVMKGPFRVKQALNKEPELPS CSRVCQPPPDVLHARTORDKDNFSPGQEVFYSCEPGYDLRGA SHRCTPQGDWSPAAPTCEVKS CDDFMGQLNGRVLFPVNLQLG KVDFVCEBGFQKGSASASYCVLAGMESLWNSVVPVCEQIFCPSP FVIPNGRHTGKPLEVFPFGKAVNYTCDPHPRDGTSPDLIGESTI RCTSDPQONGVWSSPAPRCGLLGHCAQPDHPLFARKLTQTNASD FPIGTSKYTECRPEYGRPFSITCLDNLVWSSPKDVCKRKSCKT PPDPVNGMVHVTDIQVGSRIINYSCTTGERLIGHSSAECILSGN TAHWSKPPICORIPCGLPPTIANGDFISTNRENPHYGSVVTYR CNLGSRGKVFELVGEPSIYCTSNDQVGIWSGPAPQCIIPNK TPPNVENGILVSDNLSLPSLNEVVFRCPQPGFVMKGPFRVKQ LAKWEPELPSCSRVCQPPPEILHGEHTPSRQDNFSPGQEVYSC EPGYDLRGAASLHCTPQGDWSPAAPCAVKS CDDFLGQLPHGRV LFPPLNLQLGAKVSPVCEBGFRLKSSVSHCVLGMRLWNSV VCHTFCPNPPAILNGRHTGTPSGHIPYGREISTTCDPHPRDGM</p>

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			<p>TFNLIGESTIRCTSDPRGNGVWSSPAPRCELSVRAGHCKTPEQP PFASPTIPINDFPPVGTSLNVECRPGYFCRMPSISCLNVLMS SVEDNCRRKSCGPPPEPPNGVHINTDTQPGSTVNYSCNEGPR IGSPSTICLVSGANVTWKKAPIICILSCBPPTISNGDPYSNN RTSPHNGTVVTVQCHTGPDGQQLPELVGERSIYCTSKDDQVGVW SSPPPCISTNKTAPFEVNAIRVPGNRSFPFSLTILIRPCQPG FVMVGSHTVCCQNGRNGPKLPKCSRVCQPPPEILRGHTLSHQ INPSPGQEVFTSCBPSYDLGAASLECTPGQDWSPEAPRCTVKS CDDFLGQLPGRVLLPLNLQLGAKVSPVCDGFRNGRSASHCV LAGNKALWNSVPPVCEQIFCPNPPAILNGRHTGTPLGDIPTGKR VSYTCDPHPRDGMTFNLIGESTIRRTSBEHNGVWSSPAPRCHL PVGAACPHPPKIQNGHYIGGHVSLYLPGMTISYTCDDPYLLVGK GPIFTDQGIWSQLDHYCKEVCNCSFPLFMNGISKLEMKKVHY GVVVTLKCEDGYTLBGSFWSQCADRRMDPPLAKCTSRTHDALI VGTLSGTITFILLIYLSWIIKHKRIGNNAHENPKVAIHLSHQ GGSSVHPKTLQINEENSEVLP</p>
5942	4509	688	<p>YLYVRMRANPLAYGISHRAYQIDPPL(RKHREQ\LVIS\VGKRL DK\AQMIIRPRERTGYFSSDLCRTASHYIKYNTITFTNELPDA HKTEGDLFAIVSKAEKFDQIKVREEIEKLDLTLNFCRLSTPG GVENSYGKINILLQTYINRGEMDSPSLISDSAYVAQNAARIVRA LPEIALRKEPMTHYRLNLSKADKRLWGMASPLRQPSILPFP MLTRLEKKLTVDKLDKMRDEIGHILHHVNIGLKVKQCVHQIP SVMGEAFIQPIRTVLRVTLIYADFTWQDQVHGTVGEFVWIV EDPTNDHLYHSEYFLALKKQVSKBAQLLVFTIPIPEPLPSQYY IRAVSDRWLGARAVCIINQHLITLPERHPPTTELLDLQLPITA LGCKATEALYNFSHPNFVQTQIPHTLYHTDCNVLLGAPAGSGKT VAELAIIRVFNKYPTSKAVYIAPLKALVRERMDWKVRIEELK GKKVIELTGDVTPDMGSLAEADLIUTTPKMDGVSRSWQNEHYV QQVTILIIDEIHLLEERGPFVLEIVSRNFISSHTKPEVIRVG LSTALANARDLADWLNKQMGLENFRPSPVRPVPVLEWHIQGFGQ HYCPMAMNKPAFOAIRSHSPAKPVLI PVSSRRQTRLTALELI AFLATEEDPKQMLNDEDEREMENTIATVRDSNLKLTLAGIGNHH AGLHERDRKTVEKLFVNCIKVQV.IATSTLWAGVNFPAHLVIK TEYIDCKTRRYVDFPITDVLQMHGRAGRPQDDQKAVILVEDI KDDFYKKFLYRPPVRESSLLGVLSDLNABEIAQOTITSQDALD YITWTYFFRRLDMPSYMLGDVSHDSVKKFLSHLIEKSLIELE LSYCBIGEDNRSIEBLTYGRLASVYLYLHQVEMFKDLKPEC STERLLSILSDAETTDLPVRHNRDMNSKLAELPESNPSF DSPHTZAHLLIQAHLSRAMLPCPDYDTDTKTVLDQALRVQAML DVAANQGWLVTNLNTNLQMVICGRWLKDSLLTLPNIENHHL HLFKWKPDMGPHARGRTSIECLPELIHACGGKHVFSMVBS ELHAARTKQAMNPLSHLPEINVGISVKGSWDDLVEGHNELSVST LTADKRDNDKWKLBADQYVLQVSLQRVHFGPHKQKPESCAVT PRPREKDBGWFILGEVDKRLIALKRVGYIRNHHVASLSFTT PSIPGRYIYTLFMSDCYLGLDQDYD/NLSQRYTSESPTCQHQ GL</p>
5943	1	2274	<p>DEPTRHKTYLSSSMAMAAASFPVGDGELWQTNLPHVVFRLRL EGLKNSPTEAEKPASSSLPSSPPQLLTRNVVFLGGLFLND GEDSFLVVLRLGPPSCGG\RETPALSQYQRLLCINPPLPEIYQVL LSPTQHEVALIGTRGLMVLLEPKRNGRNEFEFGKSTVNCSTTP VARRFTSSTSLTLKHAANYPSEILDPHVLLTSDNVIRIYSLR BPQTPTNVILSEABERSLVNREGRAYTASLGETAFAFDGFLA AVPKTLFGQNGXDEVVAYPLYLYENGETFLTYISLLNSPGN/I WKAAGSIAHAS\AARDNYGYDACAFLCPVFNILVIATESGML YHCVVLEGEREDHTSKSWSRIDLIPSLYVPECVLELALKL ASGEDDPFSDSPSCDVLHRDPKCPSRVHCTHAGVHVSGLTWI HKLKPLGSDBEDKDSLQELSTBQKCFVEHILCTKPLPCQPAP IRGFWIVFDILGPTNICITSTYECILWPLLSTVHPASPFLCTR EDVEVAESPLRVLASTPDSFERHRSILQSVANPAFLKASEKD IAPPPBCLQLSRATQVFRQYILKQDLAKKEIQRRVHLLCDO KKQLDLSYCKREKSLREWARLADKYRAKKEKORDIMTRNK</p>

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5944	167	3428	<p>KLLESFHSRLPVLSDSERDMCKELQLYPDQRLHGNAIKQVTMK KDYQQQIQMERVLSLPKPTIILSAYQRKCIQSILKKEGHEIREMV EQINDIENHVN</p> <p>PSIATPTDRPEVLTPPPSATTTTIGISATHTLAGSHGKRNT ITTTSSRRNRKNIIPENVQILFDDPLPLSTYSQPEKVNESKS ESTSESQDSNMRISSCSDSSSNSSSRKSDHSPAVVTTTSS KQPSVLVTPPKERKSVSGKASIKLSETISEGTSNLSSTCKB GPSPLSSPNEGKLVASPKRGQKREBQKVVRSKKVSVPTVI SRVIGRGCCNINAIREFGAHIDIDKQKDTGDRIITIRGGTES TRQATQLINALIKDPDKRIDELIPENLKSANSSKIGSSAPT TAANTSLMGIKNTTVALSSSTQTATALTVPALSSASTHRTIKNP VN\NVRPGFTVSPF\LAYPPQFAHALLAAQTFOQIRPPRLPMT HFGGTTPPAQSTWGPFPVRLSPARATNSPKHNVPRHNSQSS GSQVNSAGSLTSSPTTITSSASTVPGTSTNGSPSSPSVRRLP VTVVKTSNATTTTITASHNNTAPNTATYMPITAKHYPVSSP SSPSPPAQPGVSRNSPLDGSASPNEKVASSSSQEAGSPFVVT TNTRPNHSSSSSGSSAHSNQPPGSSVQEPFPPLQSQVPP EVENVTVPPLATSSAPVAVPSTAPVTYFPMQPTMGCCQPTPMT PAIRPPPHOTTAPKNSASVQNSVAVLSVNHIERPHSVSSVO LPSTLSQSAQNSVHPANKPLAPNFSAPLFFGFPSTLFSNPT SAHAFWGGSVVSSQSTPESMLSGKSSYLPNSDPLHQSDTSKAPG FRPPLQRPAPSPSQIVMDSFYGSVTPSTHLGNFASNISGGQM YFGAPLGGAPAAANPNEQHFSPLSLLTPCSSASNDSSAQSVSS GVRAPSAPSSVPLGSEKPSNVSDRKVPVPIGTERBARIRQTG TSAPSVIGSNLSTSVGHSIWSPEGIGGNQDKVDWCHNPGMNP IHRPMSDPGVFSQHQMERDSTGIVTSPGTFHQHVPAGYMDPPK VGOMPPFVYGNAMIPFVAPIPDGAGGPINFGPHAADPSNNSIK MVSSSTENNGPQTIVTGPWAPHNNSVHMNOLG</p>
5945	151	197	<p>GVTHLFLFGKRLKRLNGIAEDLKGQADFFFLVSEAVVATGSPRA NLTCILPLPGIIPSVLPKAMSRLITPTPATDPSDLWKGQQ QPQPKPESTLOGAAARAFYALIGDESSAPDSQREQTETPARER KRRKRRINKAPAAABAAGASGRHGQGRSLRARDKMTIRILRAA QEGDLPELRLLEPHEAGGAGGNINARDAFWWTPLNCAARAGQ AAVSYLLGRGAAMVVCGLSGRDAALAEAGPFPEARMVRBSH GETRSPENRSPTPSLQYCENCDETFQDSNERTSTAELLSLSQGP QPPHLPGLVPISSPGPKLLRGGWEPGMLGPRGGRANPIPTV LKRDOEGLYRSAPQPRVTHFPADTRAVAGRE\TPPRVATLSW REERRRKE\KDRWERDLRTYHNLFP</p>
5946	541	1666	<p>ILGSYSSIQPEEYS\SVVC\EVVLDLLA\YVSPK\HSYLRDLF SECSQQRVNSIDFV\EL\BHLQPDVLVHAVLRVVD\TILTEAV YSTRGQKQKVMILTVEQAQDQHYALVLWPGGAAN\YPOLRKKG YIWBFKYLFVQCNTYLENRLHTTPWSSCECLFDDDIRAITPKA KFKSAPS FVKISDLATHLEOKCSGVVLEAQISLAFPIITASQ KIALNHSLSKSI PSSLFNIVYTGCACGLRLSTDENRIYKQCP SCLPFTMKKIIYRPAALMTAIDGRHDVCIRVESKILKILNISA DCLNRVIVPSSRIITYGMVVDLPFSLLAESAEPCLVKIQSLFVL DENSYPLOQDFSLDDFYDPDIVKHGANRL</p>
5947	3	3317	<p>RGIPDRRRRGPIGRVNMDELNRVKKMGLGHEQGPAPCLCKKER CEGPBLHFWRIICRNC\NVAKKSN\TVLLSNEDRKVGELFZDI KYTTILAKLES DGI PMYKRNVMILTNPVAAKENVINTVYISWA PPVONQALARYMOMLPEKQPVAGSBAQYRKQLAKQLPAHD QDPSKCHLSPREVERMBQPVKKYSEALGVGVKLPCEZMAQG PEQMNI PGDRSTPAAVGAMEDKSAEHKRTQYSCYCKLSMKEG DPAIYAERAGYDKLWHPACFVCSCTCHELLVDMYIPWKNBELYCG RHYCDSEKPRCAGCDKLI PSNEYQAENQWHLKHPCCFDCDSI LAGRIYVMVNDKPVCKPCTVKNHAVVCGCHNAIDPEVQRTYIN NFSWHAETECFLCSCCSKCLIGOKFMPVEGNVFCVBECKRMS</p>
5948	39	3370	<p>YRERYPVSGSVLSALEVQNDPLSGLTEGSLLEPFPFGPIQ GNHYQMRKGRCHRGSAARHPSSPCSVKHSPTRETTIYQAQRM VEIPIEGLHRIISIFDPLEIILEDDLTQEMSECNSENKENSEP PVCLRTKRHRNNRVKRNALPSAEGTPASASALPBPKVIRVBY</p>

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			<p>SPPSAPRRPPVYKFTKESARELDNEVEYDMDEEDYANLEIVNE KRKGDGCVPAVSQSNFPELMDRPEKESHCEHQKQGEQSLIDEDA VCCIOMDGEQNSNVILFCDMCNLAHVQECYGVPIPEGQWLC/ RAHCLQSRARPACVLCENKGGAFKKTDDDRNGHV\VCALN\IP E\VGFAITVPIEPIDGVNIPPARWKLTCNLCKEGR/VGACI QCHKANCYTAFHVTCAQKAGLYMKMEPVKELTGGGTTFSVRKTA YCDVHTPPGCTRRPLNIYGDVEMKNGVCRKESVKTVERSTSKVR KAKAKAKALARPACAVLPTVCAPYIPQRLNRIANQVAIQRRKQ FVERAHSYWLRLSRNGAPLLRLQSSSQSQRSSQORENDEEM KAAKELKYWRLRHLERARILLLELLRREKLEKQVKVEQVA MELRLTPLTVLLRSVLDQLQDKOPARIFAQPVSLKEVPDYLDHI KHPMDPATMRERLEAQGYKNLHEFEEDFDLIIDNCKYNARDTV PYRAAVRLRDQGGVVLQARREVDISGLEBASGHELPERPAAAP RRPFSWEDVDRLDPANRAHLGLEQLRELLDMLDITCANKSSG SRSEKAKLLKKEIALLENKLSQQHSQPLPTGPGLEGFEEDGAAL GPEAGEEVLPRLETLQPRKRSRSTCGDSVEEESPGKRLDAGL TNGFGGARSQEPGGGLGRKATPRRCASRSSISSNSPLCDSS FNAPKGRGKPAVRRHTLEDRSELISCIENGNYAKAARLAARV QSSSMNISTDAASVLEPLKVVWAKCSGYSPYALIIDPMRPV PGHNGVTIPAPPLDVLKIGHEMQTKSDEKLFVLFPDNKRSWQ WLPKSKMVPGLIDETIDKLEKMEGRNSSIRKAVRIAPDRAMNHL SRVHGEPTSDLSDD</p>
5949	39	3370	<p>YRRRYPVSEGSVLRSALEVCNDFLSGLTBSLLPEGFPSPIDQ GNHYQMRREGRCHRGSAARHPSSPCSVHSPTRETLTYAQAM VEIELEGRLEHISIFOPLEILLEDLTAQEMSECNSENKERSRP PVCLERTKHKNNRVKKNALPSAHGTPASASALPEPKVRIVEY SPPSAPRRPPVYKFTKESARELDNEVEYDMDEEDYANLEIVNE KRKGDGCVPAVSQSNFPELMDRPEKESHCEHQKQGEQSLIDEDA VCCIOMDGEQNSNVILFCDMCNLAHVQECYGVPIPEGQWLC/ RAHCLQSRARPACVLCENKGGAFKKTDDDRNGHV\VCALN\IP E\VGFAITVPIEPIDGVNIPPARWKLTCNLCKEGR/VGACI QCHKANCYTAFHVTCAQKAGLYMKMEPVKELTGGGTTFSVRKTA YCDVHTPPGCTRRPLNIYGDVEMKNGVCRKESVKTVERSTSKVR KAKAKAKALARPACAVLPTVCAPYIPQRLNRIANQVAIQRRKQ FVERAHSYWLRLSRNGAPLLRLQSSSQSQRSSQORENDEEM KAAKELKYWRLRHLERARILLLELLRREKLEKQVKVEQVA MELRLTPLTVLLRSVLDQLQDKOPARIFAQPVSLKEVPDYLDHI KHPMDPATMRERLEAQGYKNLHEFEEDFDLIIDNCKYNARDTV PYRAAVRLRDQGGVVLQARREVDISGLEBASGHELPERPAAAP RRPFSWEDVDRLDPANRAHLGLEQLRELLDMLDITCANKSSG SRSEKAKLLKKEIALLENKLSQQHSQPLPTGPGLEGFEEDGAAL GPEAGEEVLPRLETLQPRKRSRSTCGDSVEEESPGKRLDAGL TNGFGGARSQEPGGGLGRKATPRRCASRSSISSNSPLCDSS FNAPKGRGKPAVRRHTLEDRSELISCIENGNYAKAARLAARV QSSSMNISTDAASVLEPLKVVWAKCSGYSPYALIIDPMRPV PGHNGVTIPAPPLDVLKIGHEMQTKSDEKLFVLFPDNKRSWQ WLPKSKMVPGLIDETIDKLEKMEGRNSSIRKAVRIAPDRAMNHL SRVHGEPTSDLSDD</p>
5950	1166	373	<p>BSRSJTMSTSQPGACPCQGAASRPAILYALLSSSLKAVPRPSR CLCRQHRPVQLCAPHRTCREALDVLAKTVAFLRNLPSPWQLPQ DQRELLQGCNGPLPLGLAQDAVTFEVABAPVPSILKILLERP SSSGSGQLPDRPOPSLAQVQLCCLESFWSLELSPKE\YACL RGPIIPNDVPGQAASHIGHLQQAENHVLCEVLEPHCPAAQGR LTVLLTASTLKSIPSTLLGLDFRPIIGDVIDAGLLGDMLLR WNVXPSLLVQLPKFSDKEEHEQNDISGRTGEGTVGEMLATRK VEQDSKFTVKLSHEDDHILEDAGSSDISSDAECTNPKTEESLV GLPSCVDVEFCNLEKDTMGIADETENTLERNKIPIGYCERDA ESNRQLESTEFNKSNLEVVDTSTFGPESNILEWAIQDVPQNSK QINAIESTKIESHETANLQDDNSQSSSVSYLESKSVKSHTTP VIHSEQNMTTDAPKEIVAAIYEVHISKTKVNVESVKRNTDVPES QONFHRPVKVRKQIDKEPIQSCNSGVKSVKQAHSLAKTLQ</p>
5951	143	5449	<p>WNVXPSLLVQLPKFSDKEEHEQNDISGRTGEGTVGEMLATRK VEQDSKFTVKLSHEDDHILEDAGSSDISSDAECTNPKTEESLV GLPSCVDVEFCNLEKDTMGIADETENTLERNKIPIGYCERDA ESNRQLESTEFNKSNLEVVDTSTFGPESNILEWAIQDVPQNSK QINAIESTKIESHETANLQDDNSQSSSVSYLESKSVKSHTTP VIHSEQNMTTDAPKEIVAAIYEVHISKTKVNVESVKRNTDVPES QONFHRPVKVRKQIDKEPIQSCNSGVKSVKQAHSLAKTLQ</p>

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			<p>DQTLVQYFKPLTHSLSDKSHAPGCLKEPHHPAQTHGVSHSSQR QCHKPOQAPAMKTNHVKELHPGVHFKERDKLKLPKPERN LQPRQRSSKSPSLDEPPLPIPDNIATIRREBSDRSSSPESKYM WTPSKQCGFKPKHGRNFMVGCGRCDWPHGDCVGLSLSAQOM QREDKEYVCVRCCAKEDKRTILDPDTLENQATVEPHSGDKIME CEKLGSLKHTINDRTKYIUDTVKHVKILKRRESGEGRMSDCRD NEIKWQLAPLAKMGQVLPRESSEKSEKIPKESTTVCTGEX ASKPGTHKQKQKKKIV\KGGVLHVHPAASAKPSADQIRQSVR ESLKDILMKRLTDSNLKVPREKAARVATKLEKELFSPFRDTDAK YENKYSLMFNLKDPKNNILPKKVLKGEVTPDHLIRMSPEELAS EELAAWRRENRTIEMIRKEQREVERRPITKITHKGEIYESD APMKQRAAMBIQHPAANKSLKPEGSEK\RIKEVDSMSKDTTS QHRQHLFDLNCIKIGRMAPPVDDLSFKKVKVVGVARHSDNE ARSIADALSSTSNILASEFFEEKQSSPKST?SPAPPEMPGT RVSTFLARLNPINWGPINMPVAKFVTKAY?VSGSPYLTFEDL PDSIQVGGRIISQTVWDYVEKIKASGTREICVVRFTPTVEDQI SYTLFAYFSSRRKRYGVAANKNEQVDMYLIPLGATDKIPHLV PPDGPGLEHLRPNLLGLIIRQKLRQHSACASTSHIATPESA PPIALPPDKSKTIVSTHEAPREENDFFNSFTVLHKQRNKPQ NLQEDLPTAVEPLMEVTKQEPKPLRLPLGVLIQWENQPTTLBL ANKPLPVDLILQSLGTTGQVYDQ\AQSVMEQNTVKHIPPINEQ TNSKIKETDNVEVTDGEEKELKVKVDNLSESTDKSALHTSVUG SSSISAGSLTSLSLRQKPPDVSTRAFLTNLSIQSEKETVESKE RTLKRQLQEDQENMLQDNQTSNSSPCRSNVGKGNIDGNVSCEN LVASTARSPQPINLKRDPQOAGRSQPVTTSEKDGDSCRNGEK HMLPGLSHNKEHLTEQINVEEKLCSAKNSCVQGSNKLKVAQNS PSVENIQTSQAEQAKPLQEDILNQNTIETVHPFRGSAVATSHFE VGNTPCEFPKSIITPSTRSTSPTSTNFSMPRPOQFNLOHLS SPPGPPFPFPFPFPQSMFGPFPPLPPLPFPFGFPA\QNP VWPPPVV\HLP\GOPQRMGPLSQASRYIGPQNFYQVKDERRPE RRHSDPWGRDQQLDRPPNRGKGRQRFYSDSHILKRRERHEKE WEQSERRRRRDSQDKDRKSRRESGKKOKERARLSEGRDGT GKASRDSRNVDKPKDKSEDEYKOKERERSKRRRGEKDRDYH KDRDHTDRTKSR</p>
195	3226	639	<p>PPARRARDLERRALSMRAARPSGSWNGALCRLL\LVTL\AFLIF ASDACKNVTLHVPKSLDAEKLGVGRVNLKECFATANLHSSDPDF QILEGDSVYTTNTILSSEKRSFTILLNTENQEKKIIPVPLEH QTKVLKQHTKEKVLRAKRRWAP\PCSMLENSLGPFPLFLQV QSDIAQNTYIYISIRGPGVDQBPRLPYVERDTGNLYCTRPVDR EQYESFRI\APATTPDGYTPELPLPLI\KIEDENDNYPIPTRET YFTIFENCVRGTIVGQVCATDKDEPDMHTLKYSLIGQVPPS PTLPSMHPTTGVITTSQDLRELIDKYQLKIRVQMDQGYFGL QTTSTCIINIDVDHLPPTRTSYVTSVEENTVDVILLRVTV DKDLVNTANWRANTTILKKNENGFKIVTDAKTNEGVLVVKPL NYKEKQOMILOIGVNEAPPFSREASPRSAMSTATVTVNVEDQDE GPECNPP\QTVRMKENAEVGTTSNGYKAYDPETRSSSGIRYKEL TDPTGVTI\IDENTGSIKVPESLDBEAETIKNGIYNITVLASDQ GRTCTCTLGIILQDVNDNSPP\PKRTVI\ICKPTMSABIVADP DEPIHGPPDFPSLESSTSVQRMWRLKAINDTAARLSYQNDPPF GSYVVPITVRDRLMGSSVTSLDVTLCDCTENDCTHRVDFRIGG GGVCLGKWAIIALLGIALFFCILFTLVCGASGTSKQPKV\FDD LAQONLIVSNTRAPGDDKYSANGFTTQTVGASAGVGVTVGSG IRNGGQETIEMVRGGHQTSES CRGAGHHHTLDS CRGGHTEVDNC RYTSEWHSPTQPLGEESIRGHTLIEN</p>
195	330	811	<p>PLCNPDPCGYNVVKQBSBISKESQEMDARPKLDLQFKBQQTIK LCIGNITNKKRGEASKPRTARGGLSLPPFPFGKVTIPPPSS/V KLPSITHVTPPSI\PKSNHGSADADILLDLSPAPVITPAPT VSNLWGDPTASSSVFNQAPQPSNNVQF</p>
595	22	2130	<p>PPPPPKLANMADLEAVLADVSYLMAMEKSKATPAARASKRIVL PPPSIRSVMQYLARNEITFDXIFNOKIGFLFKDFCLNEINE AVQVKEFYELKBYKLDNEEDRLCRSPQIYDAYINKEILLSCH</p>

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			<p>PFSKQAVRHVQSHLSKKQVISTLTFQPYIETICESLRGDIPOKPM ESDKFTRFCOMKNVBLNIHLTMHFSVHRIIGRGGFGEVYGCRR ADTGMYAMKCLANKRIKMEQGETLALNERIMLSLVSTGDCFFI VCMTYAFHTFDKLCFILDINGGDLHYHLSQBGVFSKEMRFPYA TEIILGLEMMNRFPVVRDLKPAWILLDEHGHARIS\DLGLACO FSKAKPHASVGTGYNAPVLIQGTAYDSSADWPSILGCMFLKLL RGHSPPFRHRTKDRHEIDRMHTLVNVELPDTFPELKSLEGLL QRDVSRELGCHEGGSQEVKERSFFKGVDWQHVTQKYPPLIPP RGEVNAADAFDIGSFDEEDTRGIELLDQDQELYNPPLVISERW QQVETETVYEAVNADTKIARKRAENKQLGHEEDVALGDCIM HGYMLKLGNPPLTQWQRRYFYLFPFRLEWRGEGESRQNLITMBQ ILSVETQIEDKCKILFRIKSGEQPVLCQSDPEFVQWKEKLE TFKEAQLRLRAPKPLNKPFSGTVELPKFSLCHRNENGL</p>
5955	1726	444	<p>KRRERPRLAVCPRLPSAYESSPGTELRGCGLCRSQRFADCR PANRQDVLGWINLFLVLQTKDPLATPGRLDHTRTAFTHREQ VNRKINIRWDVGLPGVLEIANSEEEVFWVTASGMALALCR WASSLEGLSFLPHLSLRSDDLAEFAQVITNWSCTLEVPAMHPT NKFVALLDSDVRVYNASTIVPSLEKRLQNVASLANKPLSAS VLAVACQSCILEWLDPTSLSTRPSSGCAVLSPGHTFVTSLA WAPSGGRLLSASPVDAAIRVMDVSTETCVPLPHFRGGGVITLLW SPDGSKILATTPSAVFRVWEAQWTCENPTLSGRQTCGWSPD GSRLLFTVLGRPLIYSLSPFERCGEGKG\ALEVQSQORLWQICL RQQYREOMVRRGLGERLTPWSGTTPVGVNVLCL</p>
5956	1705	139	<p>GVGVRCARAMATVQEKAAALNLSALHSPAHRPPCFVQAQXPPGA TYVNSSIINTLQTVQEVKRRHRLKRENDQVQSEAVDVIPSIL IONKYPGDVQIPRAKVVRVCOALMDYKVEAVPTKVPGRDKKPT FEDSSCSLYRFTTIPQDSQLGKKNLYSPARYADALFKSSDIR SASLEDLWENLSLEKPAKSPHVNISATLSQVINEVNOBETIGRL LQLVDPILDSLLKQBAVFKIPQPKRQSTMVNSNYLDRLGILK AYSDSQDEMLSAADCSBYLPDQMVVVISRSPPEQFORTDLVK ELLFDALGRYSSREPLNHLSDVHNGIAELLVNGKTEIALERAT QLLLKLLDPQNRERPRLLYPMAVAANPSEPLQKESDNRNVVK RIFSKAIVONENLSXGKTDLLVFL\MDHQKDVFKIPGTL\HKI VE\VK\LMATQNGRDPNRDAGYIYQRTIDORDYSNTEKTKDE LLALLLETLDEDSKLSAKKKK\LLCQFYKCHFDIFIHFGD</p>
5957	1479	451	<p>ELQVAVAMDTLDEVVPEKTERAKRFLKREPRKLNENTKAMLIK GGANATVTVKVLQDVYALKEPYGVLYKKNTIRPFEDQTSLEFF SKSDCSCLPMFGSHWKRPNHLVIGEMTYDYNVLDNIELGIENFV SLKDIKSKCPGCTQMLIFAGDDFVTEYERLKSLLIDFPEG PTVSNIRLAGLEYVLHFTALEGKTYFRSYKLLKESGCRTPRIE LEEMGPSLQVLVLRTHLASDDLYKLSMEMPKALKPKKKKNIHSD TFGTTYGRIHQKQDLSKIQTRIM\KGLKGRPAHRTEDHBKKS KRIKKKLMBSQPLLPCHVLLKRI\KHQSIOQSL</p>
5958	1	3138	<p>AAALGMLLNFPAQAFNLDVEKLTVYSGPKGSYFGYAVDPHIPD ARTASVLVGAPKANTSQPDIVEGGAVYICPWFAGCSAQCRQIPP DTTNRKIRVNGTKETIPFKSHQWFG\ATVKA\HKGSCGPVAP LLPTWRNFKETPERGPGTCTYVAIQNPSAXAEPSPCGNSHADP EGQGYCQAGPSLDIFYKQGLIVCGPGSPYWGQVITASVADILA NYSFRDILRLAGREQTEVAPASYYDSYLGYSVAGEPTGDSQO ELVAGIPRGAQNGFTVSINSTDMTFIQNFTGEQMASTFGYTVV VSDVNSDGLDDVLVGAPLFWEREFSNPREVGQIYLYLQVSSLL FRDPQILTGTETFGRFGSAMHLGLNDGYNDAIGVPPAGKD QRGKVLINYNKDGKLTKEFPKFCQGVNASHAVPSGFGFTLRGD SDIDKNDYDPLIVGAFGTGKVAVYRARPVTVDAQLLLHPIIN LENKTCQVPDSMTSAACTSLRVCSVTCQSIAINTIVLMAEVQLD SLKQKGAIKRTFLDNHQAHRVPLVIRKQKSGQCDPIVYLKD ETEFRDKLSPINISLNYLDSSTFKEGLEVKPIILNYIRENTVSE QAHILVDCGENDLCPDLKLSARPDKHVTIGENHLMJINAR NEGSGAYEALPVMIPERADYVGIERNKGPPLSCBYKMNVT RMVVCOLGNPHVSGTNYSLGLFAVPRLEXTNMSINFDLQIRSS NKENPDSNPFVSLQINITAVAQVEIRGVSHPPQIVLPJHNNEPER</p>

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			<p>BPHKREEVGGLVHNTYELNIGPSTISDTILEVGVWPPSARDEFL LYIFHIQTLGLPQQPNPNINPQDIKPAASPTPELSAFLRNS TIPLHVRKRDVHVVEPHRQSPAKILNCTNIECLQISCAVGRLEG GRSAVLKVRSLNARTPLQRNDPVALASLVSEVREMPYTDQP AKLPEGSIAIKTSVIWATPNVSPSIPLVVITLAILLGLLVAIL TLALWKCQFPDARPPQEDMTDRSOLINDKTPEA</p>
5959	1	1166	<p>QTSOYARQQPLSLKRRPFLHITLNVKVPASQMLNHRQVVGSTKC NTLPVVDVQTSQITKIPILKDRPFGVTOQCGIHAELNPSRT LLATGGDNFNSLAITRLPTLDFVCVGDGCHDWLPSLAWISDTN AVSGSRDGSMLWEVTDVLTKSDARHNVSEVPVYAHITKALK DIPKEDTHPDNCKVRALAFNNKELGAVSLDGYFHLWKAENTL SKLLSTKLPCYCEHVCLAYGSEWVYAVGSAHVSLDPRQPSY NVKSVCSRRRSGSIRSVSPYHIIITVGTGQGSLLFYDTRQRF REELSAQYSGKPLAGEHLKLTG/KGMLNHEDETWRNYSIDIDF FFNAVYTHCYDSSTGLFVAGGGLPSGLHGNITAGLWS</p>
5960	2853	870	<p>FVMSDGGPRPREGPAVGAGAAHLSDPWAMTPTANRATNPINR LDWASINGPCQNLNDPFGPLATRLARKIQSPQSEWAIQALT VLETCMKSCGKRPHEVCKPFLNBLIKVVSPLYLGSRTSEVK NKILRLYSWTVGLPEEVKIAEAYQMLKRCQ\IVRSDPLPDDT TFPLPPPPPNVIFEDREKSKMLARLLKSSHPEDLRAANKLIKE MVQEDQKEMKELSRVNAIBEVNMINVILLTEMVMSHSGGAAG SSRDL\MKEL\YQRCERMRPTLPTTGRVDTEDND\BALAEILQA NDNLTVINLYKQLVRGEVNGDATAGSIPGSTSALLLGLGLD PPAGTTPAMPTRPGEQASPEQPSASVSLDDEKLSLGLSDPTP PSGSLDGTGWS PQSSDATEPPAPALAQAPSMESRFPQTSLP ASSGLDLDLLGLKYLQSLPPBSQQVRWEKQPTPRLTLRLDQ NKSSSCSPSSSATSLLETVPFPFPFPFPVPTLSLASITVP LESIKPSNLPVTVIDQHGPRILPHFARDPLGRSDVLVVVSM LSTAPQPIRNI VQSAVPKVMKVLQPPSGTELPAFNPTVHPSA ITQVILLANPQKRVRLRYKLTPTMGDTYNEGDDVQPPPBT WGSLL</p>
5961	198	3147	<p>SGEPRPEPGNMATCIGRIIDPFKUGNLGKGSFAGVYRAESITF GLEVAIKMIDKKAMYAGMVQVQNVKINQQLKHPSTILELYNY FEDSNVYVLVLENCINGEMNRYLKQVVKPFSWEARHFMHQIIT GMLYLHSHGILERDILTENLLITRMNLIKADFGLATQLEMPHE RHYTLGCTPNYISPIATSAHGLSDVWSLGMFTYLLIGRPP FDTDTVRNLTNEVLADYEMPTPLSIRAKDLIHQLLRNPADRL SLSSVLDEPFMSSENSTKSDLTGTVEDSIDSGHATISTAITASS STSISGSLFDKRLLLIGQPLPNKMTVFPKNSSTDPSSSGDGS FYTGWGNQSTNSGGRV IQDABERPHSRYLRRAYSSDRSOTSN SQSQAKTYTMRCHSAEMLSVSKRSGGKNEERYSPITNNANIF NFFKEKTSSSSGSPERPDNNQALSNHLCGRKTPFPFADPTPQTE TVQQWFGNLQINAHLRKTTYDSISPNERDQCHPDLOKDTSDNA WIDTEVKNSDASDHAHSVQQTMTMTALRSKPBI IQQECVF GSDPLSEQSKTRGMSPPGYQNTLESITSPLVAHRLKPIRQKT KRAVVSILDSBEVCEVLEETASQETVKEVLQISSDNTITITY PNGG\RGFPLA\DEPPSP\DNISR\YSP\DNLPKYRKYQYA SRFVQLVRSKSPKITYPTRYAKCILMENSFGADFEVNFYDGVKI HCTEDFIQVIRKTKSYTLKSRSEVNSLKEIKRNYMDHANBGR ICLALESILSEERKTRGAPFPPIIIGRKPSTSSPKALSPPPS VGSNYPTDRASFNRMVMSAASPTQAPILNFSNVINEGLQLT TASGTDISSNSLEDCLPKSAQLLKVFKVGNVGNATQ\LTSGAVN VQFNDGSQLVQAGVSSISYTSPNGQ\TTR\YGENEKLPTYIKQ KLQCLSSILLMFSNPTPNFH</p>
5962	20	2447	<p>RVCSSASTASQAVMADANERIRRLAADFORAQPARATQRLSER NCIRIVNKLIAQKQLEVVEITDCKRYITPAQLSKENRDELHVRG GRVNI VDLQVINVDLIHENRIGDIIKSRKHVQLVLCQLIDEN YLDRLABEVNDKLOESGQVTISBLCKFYDLPNFLTQALTORIG RIISGHIDLRGVIFTEAPVARHFKARIRGLFSAITRPTAVNSL ISRYGFBQQLYSVLEELVNSGRLRGTVVGGRODKAVFPVDIYS RTQSTWDSFFRONGYLEFDALSRLGI PDAVSYIKERYKTOLL</p>

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			FLKAACVGGGLVDQVHASVERAISSTGWVDIAFLPTSLSVEDA AILLQQVMRAPSKOASTVVFSDTVVVSEKPI\INDCTELPRELMH QKAEKEMNNPVHLITERDLKQISTLESVSTSEKDEKDERREKA TEGSGSMRGCGGGNAREYKIKVKKKGRKDDSDDESQSSTGK KKPEISFMPQDBIEDPLRKHIQDAPEKFTSRILAYLIKPLNRTY LEVVRVFMSSSTTSASGTGKERTIKDLQEEVENLYNNIRLPEKG MKFFADDTQAAITKHLLESVCTDITHLIFNPLASDLMMAVDDPA AITSEIRKKILSKLSKETKVALTKLHNSLRKESIEDFTISCLDSA ARACDINVRKGDKKRERQILFQHRQALABQLKVTEDPALILHLT SVLLPQFSTHSLHAPGRCPVQI\LAFLNSKIPEDQHALLVKYQG LWVEQLVSQSKTKCGDYPLNNELDKQEDVASTTRKELQELSS SIKDLVLESRESSVTRR
5963	62	1130	PNNPDFFPGRGLMG\QKGRITGPP\GQGGKKGAPGMP\GLMGSN GSPQPGTPTGSGKSGKBPFIQGMFGASGLKGRPGATGSPGHPGY MGLPQIQKRGDKEGNGERGIIQGGKENGROGLPGQGGIQGHHG AKGERGKSGPGRVGAIGSKGESGVDGLMGAPGPGQPGDPPGQ GPPGLDGKPGREPSQPIRQVCTDVIKQLPVLIQSGRIKNCOH CLSQHSGPGIPGPPGPIGPEGPRGLPGLPGRDGVPGLVGVPCRP GVRGLKGLPGRNGERKSGQGGPYGEGGPPGPPGPEGPPGISKRG PPGDPLPGRDGDHKGKPGIQQGPGPPGICDPSLCPSVIARRDPF REGPNY
5964	3	2147	SCRTRRLSPQLPBRAGSSRSRAESEPFRPGMEACQVQTK KGDPEHLNFIQYASTEVDGERYMTPEDFVQRYLGLYNDPNSN PKIVQLLAGVADQTKGLISYQEFAPFSVLCAPEMSFIVAQOL PDESNGEVTPEVVKRIFGQTIDHHIIPNDWCEFIRLHFGNHR KHLNTEPTQPLQELQLEBARQAFALKDRSKSCMISGLDFSDI MVTIRSEMLTPFEENLVSAGGSIHQVSPGYFNAFNSILNMM ELVRKIYSTLAGTEKDAEVTKEEPAQSAIRYQATPLRIDILYO LADLYNASGRITLADIKRIAPLAEGALPYNLARIQRQSPGLGR PIWLQIAESAYRPTLGSVAGAVGATAVYPIDLVKTRMQRGSG SVVGLMYKNSFDCFKVLETEGFFGLYRGLIPQLIGVAPBKAI KLTVDPVRDKFTRRDGSVPIPAEVLAGGCAGGSQVIFTNPLEI VKIRLOVAGEITTPRVSALEVLRLDGIIFGLYKAKACFLRDIP PSAITYPPVYARCKILLADENGHVGGNILLANGAMAG\VPAAALV TPADVIETRLQVAARAGQTTYSGVIDCFRCL\REBGSAPWKG TAAEVFRSSPPG\VTLVITYELLQRGFYIDFGGLKFPAGSEPTFK SRIADLPPANPHIGGYRLATATFAGIENKPGLYLEPKPSPSVA VVDPKAAVAATQ
5965	1	1498	MVTNLYRFLPTSNMAAKLSLPPDLRLQFWLHARLQKCFLSBG CGSYCAGAKASPLPGROMMGLMCCRRELLRLIQSGRRVHSVAGP SQWLKPLITRLLFPAAAPCCCRPHYLPLAASGPRSLSTSAISFA EVQVQAPPVVAATPSPTAVPRVAGSTADVVQTAARQSFAELGL GSYTPVGLIQNLLEPMHVDLGLPWWGALAACTVFARCLIPPLIV TCQREARITNHLPEIKPSSRIREKLAGDHRYTKASSEMAL YQKKEGIELYKPLILPVTOAPIPISFFIALREMANLPVPSLQTG GLNWFQDLTVSDPIYILPLAVTATMMAVLELGAETGVQSSDLQW NRNVIRMMPLITLPIITHMFTAVFWYMLSSWLFSLVQVSLRIP AVRTVLKIPQVVHDLKLPREGFLSPKKGWKAEMTROLRE REQMENQLELAARGPLRQTFTHNPLLQPGKDNPPNIPES\SSB SSKPKSKYPWHDYLG
5966	102	1925	RSKQVMARLTTRRQADTEAIQHLWAAIEIRNQKQLANIDRITK YMSRVHGMHPKHTTRQLSLAVKDLIVETLTVCCKSGKAGIEQB GYWLPGBDIDWETENHDWYCFBCHLPGEVLI\COLCFRVYHSKCL SDEFRLRDSSEFWQCPVCRSIIKKNTNKGEMGTYLRAFTVSRMKE RAIDLNRKGDNDKHPMYRRLVHSAVDVPTIQEKVNEGRYSYRE PKADAQQLLENTVIFYGADSEQADIAEMLYKDTCHL\DELQLC KNCFYLANARPDNWFYPCIPNHELDWAKMKGFPGWPAKVMQRB DNQVDVRFPGHHQRARI\PSENIQDITVNIHRLHVRSMGWKA CDELELAQRELRGRFWKSKNEDRGEKKAESSLSSTSNQKLV QEPRAKGRNQSVBPKEEPBETEAUSSQEIPTMPQPIERV SVSTQTEKLSASSPMLERSTQTTNDGVQCSMCHDYTKIFNDP

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			KDKMKS DHRBTERV VREALEKLRSEMERERKQAVNKAVANMOG EMDKACKQVKERCKEFPVEBIKKLATQHKLISQTKKQWCYNC KEEAMHYCCNNTSYCSIKQQQKHWHAEHKRTCERRE
5967	102	1925	RSQGVMARLTKRRQADTKAQLHLWAAETITRNQKQIANIDRITK YMSRVHGMHPKETTRQLSLAVEDGLIVETLVGCGESKAGIEQS GYWLPGDIENHETENFDNYCFECLPGVGLICLCPRYVHSKCL SDEYFLKDSGSPWQCPVCRSIRKQNTNRQEMGTYLRFIVSRMBE RAIDLNKEGKDKNKHPTNRLVHSAVDVPTIQKVEBEGKYRSYER FEADAQLLHLHTVIFYGADSEQADIAEMLYKDTCHEL\DELQLC KHCFYLANARPDNWFCTPCIPNHELDNAXMGKGFQFWPAEVMQKE DNQVDVREFFGHHNQRAHIPSENIQDITVNIERLHVKRSMGWKA CQRLERHORFLRGRFWKSKNRDGRGEEAEBSISSTENBQLKVT QDPAKRGRENQSVPEPKKEEPPEPTRAUVSSQBIPTMPQPIKRV SVSTQTKKLSSSPMLHRSQTOTNDGVQSMCHDKYTKIPNDP KDRNKS DHRBTERV VREALEKLRSEMERERKQAVNKAVANMOG EMDKACKQVKERCKEFPVEBIKKLATQHKLISQTKKQWCYNC KEEAMHYCCNNTSYCSIKQQQKHWHAEHKRTCERRE
5968	81	1288	VRFPREGGAPPTVLITGRRQGVFLGPPRGSEPDIPARGQPHFP RPGVSTSAQARQVPPAMERRRRLALGLGCLACTELSVLNVYL ENMLPEVYVTPYLLPCPEIPIHMKLHYKREKPLQPVVNSQYQPKL LEHRPTQLLLTLTPWLAPIVSEGFNPPELLQHTYQPINLTIGVTV FVAGH/HYFLSEAEKFPVGRYRVHYIITDNPAAVPGVFLGPHRL LSSPIQORSHWEFTSMRHPMETISOHLAKRAHREVDYFLCLDVO MVFRNPQGPFTLQDLVAAIHPSYYAVPRQOPPYERRRVSTAFVA DSEGDFTYGGAVFGGQVAVRYEFTRGCHMAITLADKANGINAAR EESHLEKRFISNAPSKVLSPEYLDWDRKQPPPSLELIRFSTLQK DYSCARS
5969	126	503	DVGPNTEKRCCLDVPFLSPKPSGRDRAPKQRRIANAKCIC TGVRGEPSPS/TTSQVKKEAGRDFTYLIIVLFOISITGGLFTYI PKELPSSSSPSKIYGRALBKCRSEHPVIGVPGESVKGXGEVTER GRQHVRFPTBYVDGLKBTCKVIFYGSEBPGKGTIVYAQVKEMP QSGGYDPKYIFVRETSYPRRTIIIEDNRSDQD
5970	516	1712	SDQNTGHRLLQKHGWNKLGGLGCKSLQGETDPIPIVVKYDVMGNG RMEMKLDYADATERRRVLBEVKEDTEKLRQKYKDYDREKALA KALHEDLRANFYCELCDKQYQKHQESFTNNHINSYDHAHQRLADLK QREPAHNVSSRSRDEBKQKQKALRLHLBAORROABCAPGSGP MFKPTIVAVDEEGGDDKRSATNSGTGATASGGLSEFSDTNG GPFTAVQITBTTLGAQAPGLASQGISFGIKNNLGTPLQKLGVSP SEPAKAPVLESIASVPDHRABGTSBDGTQPOBESSDQGLQKV GDSGSSNLGKREDEDPODGGSLASTLSKLKRMKREBAGATE PETTHYIPPAHCKVKPHFPFLLPMRASEQMGDNTTHPENAPES KKGSSPKPKSCIKAAASQGAERTVSEVSBQPKTSMTBPSKPGS KAPAKKALGGDVSDQSLSHSQRVSBTQMCBSNSKRETSIATPA KKSQSGPKPHPTGPPFVLSKDBSTALQWPKLLIFTKAEPSSIS YSCNPLYPDFKLSRNKDARTKGTKEPKDIGSSKDLHAGLDGPE PNSKEVGGEKI VRSSGGWMDAPASGSACSGLBKEQEPGSGHSE TEDTGRSLPSKCKERSGKSRHKKKCKKCKKSKKHQREKQADTEPK SSKASGEGKS KKKKKKKKKKKSSAPADSEEGVQEPDPPGSGSPA PFRERRRAQDSDQRSILPAEBEGSGGKDRGGCGSSQDRGGRKH KGLPSPSQRRAGTKRSSRSSHRSQPSGGEDSDDASSHRLHQ KPSQYSKEEKKKSGSEHSRSRSRSGRRHSSRSRRSYSSSS DASSDQSCSRQRYSDDSYSDSDSRSRSHSKRSHSDSDSYAS SKHRSKHKHYSSDDSYSLSCSQRSSRSRSHTRERSRSRGRSRS SCSSRSRSKRRSRETTAHSWORSRSYSRORSRSTRSPQRSGR KRSWGHSPERRBGRDP/IRSKIYTSQSPPHYPRSGRGEGPKK DDGEGDSDKATGPPSQNSNIGTRGSGEGDCSPHDKNSVTAKLLL EKIQSRKVERKPSVSEVQATPNKAGPKLKDPPQGYFGPKLPPS LKNKFLVPLIGKLPATRKPKMKCKRESGLRGEQBQSBTEBGP GSSDALFGHQPT\SEETTOPLLDPPPEESKSGEVTADHPVAPLG PPAHFDCTLDPTTSHNYLPDPSDGNLTSLSSSSQPGVPESSL LPLAFDLENFPSTYAPSGDPSIBSTOGAKDA\SLAPLESQPIIT

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			<p>TPEEMERYSKLQAAQOHLQOQLLAKQVAFASAAALPATPAL QPIHIQQPATASATSTTTVQHALQHHAAAAAIGIHPPHPQ PLAQVHHLPQPHLTPISLSHLTHSIIPGHPATPLASHPHIIIPA SAIHGCPPTFFHVPFAALYPTLLAPRPAANAATLHLHPLLHP FSGQDLQHPPSECT</p>
5971	53	2149	<p>SFLYFVGVDMDNFIQNDGRFDGVQLCSFACVESTILHINDI PESVQHEERPPKLAFMGRGVGDEKSSSHNKPKATGSTSDPGRN RSELPYTLGSSVDQPPQSKSKNTWYIDEVAEDPAESLTRISTD PDRSSPFLQPPVNSLTTEHPSLPPSLTKMPNTHGSGHSP SLSAQSVNKEKATAPVQSPFLAMPFGNSHGLEFVGSIAEVKND PFTGVIRWIGQPPGLNEVLAGELEDEBCAG\CTDGT/REGTRY FTCALEKALFVKLESCRPDSBPASIQPVSNQIERCNSLAINWAY LSEVVEENTPTQHEKESGLEIMIG\KKEGQIGHVNSCYLDSFL CLFAPSSVLDTVLLRPKEKNDVEYYSRTQELLRTHIVNPLRIY YVCATKIMELKILKEVEBAASGFTSEKDPSEPTLILPHILLRV EPLLCRSAGQKVQDCYPYQIFEMKNEKVGVPITQQLLENSPIN SNLKPAEAPSCLTIQMPFPGKDFKLFKKIFPSLELNTDLEDT PQCRIQGLAMYECEBCYDOPDISAGELIQPCRTCTQVHLHP KRLWHKYNFVSLPKDLPDWDRHGCIPQNMELFAVLCIETSHY VAFVYKYGKDDSAWLFDDSMADRDGCGQGFNIPQVTPCEVGEYL RMSLEDLHSLDSRRIQGCARRILLCDATVVPCTQ9PTNSLYK</p>
5972	440	1761	<p>ILLGSPSPEDQCBQRQSSGGDERLVTGCTFSTAVVSPSAMTO EPFREELAYDEMPTELRGRQDPASYAPDAKPSDQLSKELFFCF SHETWVFSVLMGSCILLVTSQFSLYLGNVFPENDYLRCAGSCI PSAIVSPTVSRNRNVIPIFQILLVSTFAVITTCILNPGCKLVL NPSAININPNLILLLLLLLMAATVI IARSSEEDCKKKGMS DSANILDEVPFARVLEKSYVVBVIAGISAVIGI IALNVDDSV SGPHLSVTFWILVACFPASATASHVAABCPNCLVEVLIAISSL TSPLLTASGYLSPSIRIVEMPKDY?PAIKPSYDVLLLLLLLV LLLOA/GPQHGRHFPVALQGGCKAAGCLGHPEKPPAGAPGNGG GQEPPEGVROGRSLESRRGANGFVTPRRGNVAAPSLAPGMETH NP</p>
		2007	<p>NGDGKDLFGHIANRNSGI I SNFRESPHAGMAEDPDASKPKTG GRAPPGGARAGPTLLQRLRGTISTAVONKVEGILQDVQKPSD NDKLYLYLQLPSGPTTGDKSESTLSNEEYMYAYRWIRNHLRE HDTCLPKQSVYDAYRYKCESLACCPSTANFGKI IREI PDI KARRLGGRGQSKYCYSGIERKTLVSWPPLPGILLGSESPEMGP EVTAPRDELVEAACALTCDAERI I LKRSFSSIVEVARFLQOH LISARSAHNVLEAMGLAEDEHAPRERSKPKNGLENPEGGAH KKPERLAQPPKOLEARTGAGPLARGERKKSUVVSSSAGANNLQV NALVARLPLLLPRAPRSIYPII PVSPPILAPRISSGALKVATLP LSSRAGAPPAAPVI INMILPTVPALPGPGPGGRAPPGLTQPR GTENREVGIGGDQGPHEKGVKRTAEVPSSEAGQAPPAKAKOD IEDTASDAKRRKGRPLKRSKSGSGERNSTPLEKSAAMBSAQSSRL PNETWGSQGGNSAGGAERPGPMGEARKGAVLAQG\QDGTVSK GGRGPEQBTKAEADKILVPSKVSVI ROSRSQKRAFLARKEV DTAPQGNEDLKEHVLQSSLSQEHKDPKATPP</p>
5974	4295	2200	<p>LGLQHTTSGRIHQAMVTSLNEDNESVTVIEWIRNGDTKGR\RID LESIFSLNP\DL\VPDGEIRPSP\ETPPPPASSAKVNKIVKRR TV\ASIKNDPPS\RDNRVVGSSARARPSQFPPEQSSAQNGSV\S DISPVQAAKKEFGPPSRKSNVCVEVRKLOKREKRRLOQOELE EKRAQDVDAITPNYBIMCINIRDFRGSIDYRPLTTADPIDHRIC VCVRKRPLEKKBTKMDLWITIPSKDVVMVHEPKQKVDLTRYL ENQTPRFDYAFDDSAFNMVYRFTARPLVETIFERGMATC*PAG QTCGKRTHTMGDPGSKNQDCSKCIYALAARDVPLMLKKNYRK LELQVYATPFEIYSOKVFDLNRKTKLRVLEDGRQKQVVGLOQ REVKCVEDVLKIDIGNSCRTSGQTSANAHSSRSHAVQIILRR KGLHGRPSLIDLAGNERGADTSSADRQTRLEGABINSLALAK BCIRALGRNPHETPPRASKITQVLRDSP IGENSRCTMIATISPG MASCENTLTLTRYANKVKELTVDPTAAGDVVRPDHHPFNOI\DD LSTQWGVGSSPORDLALLCBQNBKEVSPQLFTTFAVSVQVEM</p>

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5975	4293	2200	EEQVVEDHRAVPQESIRWLEDEKALLEMTTEVDYDVSATQLE AILEQKIDILTELKDKVKSFRALQEEQASQINPKRPRAL LGLQMTTSGRIHQAMVTSINEDNESVTVENIENGDTKGG\RID LESIFSLNP\DL\VPDGEIEPSP\ETPPPPASSAKVNIKVRNR TV\ASIKNDPPS\RDNRVVGSSARARPSQFPPEPSSAQNGSV\G DISPVQAAKKEGPPSRKSNVCVEKQLEKREKRLQQKRLR EKRAQDVDAINPNTIEMOTRDFRGLDTRPLTADPIDEHRC VCVRERPLANKKETQMKDLVITIPSKDVVMVHEPQKVDLTRYL ENQTFRFDYAFDDSAFNVYRFTARPLVETIFERGMATCFAYG QTGSGKTHMGDFSGKQDCSKGIYALAADVFLMKKONYKK LELQVYATPPEIYSGKVPOLJNRKTKLVLEDGKQVQVVGLOE REVKCVEDVLELIDIGNSCSTSCQTSANAHSSRSRAVPIILRR EGKLHGKPSLIDLAGNERGADTSSADROTLEGBAINKSLALE ECIRALGRNRPHTPPFRASKLTQVLKDSFIGENSRTOIATISPG NASCENTLWLYANRVKELTVDPTAGDVRPDMHPPNQI\DD LETQWGVGSSFPQDDLLKLCQHEEVSQPLTFBEAVSQMVEM EEQVVEDHRAVPQESIRWLEDEKALLEMTTEVDYDVSATQLE AILEQKIDILTELKDKVKSFRALQEEQASQINPKRPRAL VHHLHLTRVSVVNLDIILRIAQOMGKIKLEVLG\LKRA\LEF PEVENMEVKDPNMKGAMLTNTGXYAIPPTIDA\EAYAIKKKEPP FLPEPSSSSREDDP\IPDKLLCLICKDITDAVVPCCGNSYCD ECIRALLESDEHTCPTCHQNDVSPDALIANKFLRQAVNNFKNE TGYYTKRLRKQLSPPPP\IPPRPLIQNLQPLMESPISRQDDPL MIPVTSSTHPAPSISLLTSNQSSLAPPVSGNPPSSAPAPVPDIT ATVBSVSEKSDGPPRDSINKILPAAALASEHSGTSSIAITA LMEEKGYQVPLGTPLSLGQSLLEGQLIPTTGPVRINTARPGGG RPGWEHNSKGLVLYSPQQIRRGERSCYRSINERHHSERSORT QGSLPATPVFPVPPPPFLYPPPPHTLPLPGVPPPPQPSQFP GQP\PPAGYSVP\PPGPPAPANLSTPWSSGCVQTAHSNTIPTTQ APPLSRREPYREQRLKEKSKSLDEPTNDFAKRLMEYKKIQ KERERSFERSKSPYSGSSYSRSSYTSKSRSGSTRSRYSRSES RHSERSRSPFPFRGRGKSRNYSRSGRSHGYSRSPSPYR RYHSERSRSPQAFRQSPNKRNVQGETERYPMRYREVPPPYDM KAYYGRSVDFRDPFKERYKREWKYREWKYKYYKGYAAGAQR PSANRENFSPERPIPLNIRNSPTTGRREDYVGGQSHRSNIGS NYPEKLSARDCHNQKNTKSKESERAPGDKGNKHKHKKRR KGESEGFNPELLETSRKSRREPTGVRENKTDLSLPLSRDDAT PVRDEPMDABSITPKSVSEKDKRRDKPKAGDKTKRNDGSAY SKKENIVKPAKGPQKVDG\DVRLDLLNL\QKKPKBETPKDL TILNHLPLRRMKSL\BPP\KCLTLGQQK\TPRWKTSORGKSE BGLFORCQIRKANN
5976	20	2949	FLEDRGQVLSHFQCLSLHSINHLHPGAGVAAGPATCW\REYLT PVLKESKPKRTGVIITPERFVAAGDLVHHCTWQWATGEELVK AYLPTGKQPLVTNVPCKYRCKQMBYSDELEAIIEEDDGGGWV DTYHNTGITGITEAVEKITLENKINIRLQDCSALCEBEDEDEC EADMBEYESGLLETDEATLDTKIVACKAKTDAGGEDAILQ TRTYDLYITYDKYIOTFRLWLPFYDEBQROFLTVEHMYEDISQDH VKKTVTIENHPLPFPFMCVHPCHRAEVMKKIISTVAEGGEL GVHMYLLIFLKPVQAVIPTIEYDYTRHFTM
5977	1363	1335	RDGARRNGGQSPITWAGFYREPDATSGRRRLRGQTAEAPAGRQ RPRRREPAMDEQSVESIASVFRCPICMKELRADARLCPHCSKLCC FSCIRRWLTEQRAQCPHCRAPLQRLRLVNCBAAEVTQQLDTLQ LCSLT\KHEENKDKCENHHEKLSVFCWTCKKIC\CHQCALWGGMH GGHTFKPLARIYEQHVTKVNEVAKLRRRLMELISLVQEVRRNV EAVRVAKDERVREIRNAVENMLARLDTQLNKLITLMGQKTSLT QBTLESLQBEHQLRSCSKSELISKSSRIIMFPQVHRKPM ASPVTTPVPDPFTSLVPSYDSATFLENFSTLRQADPVYSPP LQVSGLCWRLKVYPDGNVVRGYLSVPLSLSAGLPETSKYEYR VEMVHQSNDPTKNIIRFASDFEVGECWGYRPFRLDLLANEG YLAPQNDTVILRPQVRSPTFPQKSRDQHWYITQLEAAQTSYIQQ INMLKERLTIELSRQKSRDLSPPDNHLSQNDDALETRAKKSA
5978	160	3213	

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			<p>CSDMLLER\GPYSAS\VRHAKEDREDEKIQHEDYHRLSDGDL DLDLVYEDVFNQDGGSSSSASSTATSNTEENDIDEETMSGENDV BYNNMELBEGELMEDAAAAGPAGSSHHGYVGSSSRSLRTHLCSA ATSSLLDIDPLITLHLDLKDRSSIENLWGLQPPPPASLLQPTA SYSRKDDQQRKQAMREVPSSDLMLKRLKTMARVRCMTDVKM TLSEIKSSSAASGDMQTSLSFADQAALACGTENSGLQDLGMR LLAKSSVANCTYIRESTHCKNSPEPARSSVAQSLSLRAVDPGR NSRSKGDQCTLSESGSGSSGSGSRHSSPRALHSGSIGDILPKE DRQCKALDSDAVVAVFSGLPAVEKRRRMVTLGANAGGHLEGL QMTDLENNBETGELQPVLPQASAAPEEGMSDSDIECDTENE GEEHTSVGCFHDSFNVMTQPPDEDTSSFPDGEQIGPDLSPNT DENSEGR</p>
5979	212	3665	<p>LPDMWYLLWLKLAFGFAFLDTEVPVVGQSPTPSPTDAYINASE TTTLPSCSAVISTTTIATTPSKPTCDERYANITVDLYNKETK LPTAKLVNHNVEQGNNTCTNNEVHNLECKNAEVSISHNSCTA PDKTLILDVPPGVKVPVHCCS\QVEQPDSTINLWKNLETSTC DTQNTIYRPOCGNMIFDKKEIKLENLEPEHYECKDSEILYNSEK PTNASKILKTDPGSGPGEQIIFCRSEAAHQGVITWNPQPSFEN FTLCYIKETKEDCLNLDKMLIKYDLQNLKPTTYVLSLHAYLIA KVOREGSAANCHFTTSAPPSQVNNMTVSWTSUNSMHVCKRPPR DRNGPHERYHLEVEAGNTLVNESHKNCDFVEDLQYSTDTYFK AYFHGDDYDGEPPILHESSTSYNSKALIAFLAFLIIVTSIALLV LYKLYDLHKERSCNLDROQLVERDDEKQIMNVEPIHADITLET YKREIADGRLFLARQSIPIRVFSKFFIKERAKPPNQKNRYVD ILEYDYNRVLSSEINGDAGSNYINASYIDGFKERPKYIAAQGPR DETVDPPNEMINEQKATVIMVTRCEGNRNKCAEYWPMSREGT RAFGECCCDLTAKRRCP\DYIIQKLVNKKKATGREVTHIQ FTSWPDHGVPRDPLLLKLRNRVNAFSPNFPSPGPIVHCSAGVR TGTYIGIDAMLEGLBAENKVDVYGVVVKLRQRCLMVQVRAQYI LIHQALVEYNQFGETEVNLSLHPLYLNMKRDPPSEPSPLEAR FQRLPSYRSMRTQHIGNQE\ENKSKNRNSNVTYDYNRVPLKHE LEMSKESHDSDSDSDSDSDSEEPSKYINASFINSYNKP\EVMI AAQSPKJSTIGDFWQMIPOKVKVIVMLTELKRGDQEIQAQYWG EGRQTYGDLEVDLKDTRKSTYTLRVFELRHSKRDSRTVYQYQ YINNSVBQLPABPKELLSMIQVVEQKLPOKSSSEGNKHHESTPL LIBCRDGSQQTGIFCALLMLLSASBTRVVDFIQVVKALRKARP GMVSTFEQYQFLYDVLASTYPAQNGQVKNHMQDKLEFDNEVD KVKQDANCUNPLGAPKLPRAKEQARGSEPTSGTEGPEHSVNGP ASPALWQS</p>
5980	3	2363	<p>DANGCKLRLRFTYGTQTRVSLALPGQYELVHTLVAHQGNWBTI PEEDLEVQENNEADAHDLELEVTMEHALLQEVDDVVAPCGGLR PTVDVLGDLVNDPLPVITYALHKDELSEDEBQKLOEIRKYFSPF VFFPKVPKLGSEIIDSSTRMESERSPLYRQLIDLGLYSSSHWN CGAPGQDTKAQSMLEQSEKLRHLSTPSHQVLQTLVDAKALN LVCHCLDIFIFQAFDMQDLOITPKRLLEYTRAKENELYRSIMH IANRKQREMKOMIVETLNTMKELLDATNMBPKOVIVPENGRP VGTREIKCCIRQIQELIISRLWQAVANKLIGSVLYLRESFVQTL ERCLQSLKESQDVSVHITSNYLKQILNAAHYVEVTPHSGSSVTR MLWQIEQIIQRIITWSPPAITLWKRKVAQEATESLSASKLAK SICSQFTRILNSSHEAFASLRQLEAGHSGRLKEDLNLEVRK DEAPRLARLSLESRSIQDVLHRRKPKLGQELGRGQYGVVYLCDN WGHFFCALKSVVPPDBKHWNDLALRPHYMRSLPKHERLVDLG SVIDYNYGGSSIAVLLIMERLRDLTYGLKAGLTLETRIQIAL DVVESIRPLHSQGLVHRDIKLFVLLDKQNRKILTLOFCCKPEA MMSGSTVGTPIHMAPELPTGYDHSVDTAPOLLFWYICSGSVK LPEAFERCASRDHLWNNVRRGARPERLEVFERCQWLNEACWDG DPLARPLLGIVQPMIQQIMNRLCKS\NSEQPNRGLDDST GERHSAAMERPMGADGSRWPFGLGLILLQLLPPSTLSQDR DAPPPPAAPLPRWSGPIGVSHGLRAAAA\GGAFPRGGRWRBSAP G\EDBECGRVDFVAKLANNTQHVFDDLRGVSLSLVGDSGTG ILVLTTPHVPVIMTFPGQSKLYRSEDYGRNFKDITDLINNTFIR</p>
5981	1	2519	

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			<p>TEFGMAIGPENSGKVLTAEVSGGSRGRIFRSSDPAKQNFVQTD LFFHPLTQMYSQNSDYLLALSTENGLNVSINFGGKWEIHKKA VCLAKNGSDNTIIPFTTYANGSCRADLGALEKLRNRTSDLGKSFRTI GVKIYSPGLGGRPLFASVHADKDTTRIRHVSTDOGDWMAQLP SVGQBQFYSILAANDMVMHVDKPGDVGCTIPTSDDRGIVYS KSLORHLITTTGGETDFTNVTSLRGVYITSVLSEHNSIQIMTF DQCGRWTHLRKPENSECDATAKNEKESLHHSYSISQKINVP MAPLSEPMNAVGLVIAHGSVGDALISVMVVDVYISDDGGYSWTEML EGPHYTYITLDSGGIIVALEHSRPIVVKFSTDEGQCQNTYFT RDPITYTGLASEPGARSMHLSIWGFTESFLT SQHVSYITIDFKDI LERNCEKEDYTIWLAHSTDPEDYEDGCTLGKQFLRLKSSVC QNGRDYVVTROPSCI CLCSLEDFLCDFGYTRPNDSEKCEQPELK GHDLKFLCYGRREHLITNGYRKIPGDKCQGGVNPVREVLDLKKK CTSNFLSPKQNSKNSVPIILAIVGLMLVTVVAGVLIVKRYVC QGRFLVHLYSVLQQR\AEA\NGVDGVDALDTASHINKSGYHDDS DEDLE</p>
5982	56	2316	<p>ATRPGRSSWCRQPSRTASAPGRSNMLRYFVRKALVGLSKSPK CCVRTTATAAGNLEVFVDGQSVHVEPGTIVLOACEKVGQIPR PCYHERLSVAGNCRMKCLVEIEIAPKVVAACAMPVMKGNILTNS EKS KAREGVMEPLLANHPLDCPICDQGGCDLQDQSMMPGNDR SRPTEGERAVEDRNIGPLVKTINTRCICQCTACIRPASELAGVDD LGTTCRGNMQVGTYYIEPMSELSGNLIDICPVGALTSPKYPAP TARPMETRKTESIDVMDAVGENTIVSTRTGEVMRILFPMHEDIN KEWIGDKTRPAYDGLERQRLTBPMVRNEKGLTYTTSWEDALSRV AGMLQSPOGKDVAAIAGGLVDAEALVALKDLNLRVDSDTLCTBB VFPPTAGAGTDLRSNYLLNTTLAGVBEADVLLVGTNPRFAPLP NARTRKSWLNDLKVGLISFVDLTYYTDHIGDSPKILQDIASG SHFPSQVLKRAKPMVMVLGSSALQNDGAAILAAVSSIAQKIRM TSGVTGDWKVMNTHLRASQVAALDLGYKPGVEAIRKNPKVLFP LLGADGGCTITRODLPKDCFIYQGHGVDGAPADVILPGAAYT EKSATYVNTGDAQOTRVAITPGLAREDNKIIRALSEIAGMTL PYDTL\QVVRNRLSEVSPHLVRYDDIBG\ANYPQQAHELKLVN QQLLADPLVPPQLTMDQFTYDTSISRASQTMKCVKAVTEGAQA VEEPSIC</p>
5983	248	1763	<p>EARGDGGRRRHASGRRAGRGP\AGLKSQQRAVPKRAVARGG RQ\YSAALALEPAGSEIADLSTLYSNRAACYLKBCGSCGCTQ DCNRALZLHPFSMKPLLRAMAYETLBOYGHAYVDYKTLQIDC CLQLANDSVNRLSRILMELDGFNWEKLSLIPAVPASVPLQAMH PAKEMISKQAGDSSEHRQOQITOKETPALKREBQNCVNDKNYK DALSKYSECLKINNKECAITTNRALCYLKLQCFEAKDCDOAL QLADGNVKAFYRRALAHKGLKNYKSLIDLANKVILLDPSIIRAK MELEEVTRLNLKDKTAPPKKEKERRKIRIQVNEGKREKGRPA GEVSTGCLASREKGGKSSRSPDEPEKLP IAKPNAYEFGQIINAL STRDKBACAHLLAITAPEDLPMLSNKLECDTFLLLIQSLKNN LIERDPSLVYQHLLYLKAEKFRMLTLISKQKELIEQLFEDL SDTFNNHFTLEDIQALKROYEL</p>
5984	755	1193	<p>SSVCMACTYVSNLKKQRSSVSLASGLMRVSTGPRLRLHSPVL TGDVGRRIICLLVGLFTGDTSSKRVHPFSPGCPFLCDLARVG SSPKINVSPPYON\QTSTORSCTVFMVQRCSELVGPQVTVPTMY FHSLRSISRFSG</p>
5985	22	1408	<p>ERVARPGETAEPAKARTTVRRGRARRDLAERKAGVSRGDSGR RRPNPSIPSAAGMSHIQIPGLITELLQGYTVEVLRQPPDLVB FAVEYFTRLREARAPASVLPAAATFRQSLGHPPEPGPTRVADAK QDSESEEDRDLEVPVPSRFNRVSVCAETYNPDEEEDTTPRVI HPKTDQRCLQBEACKDILLFNLDQEQLSQVLOAMFBRIVKAD EHVIDOGDDGNFYVIERGTYDILVTDRNQTRSVGYDNRGSPG ELALMYNTPRAATIVATSEGSLLGLDRVTPRRIIVENNAKRRM FESPIESVPLLSLEVSRMKIVDVIGRKYR/DGRIITQGE K\ADSFYIISGBVSLIRSRKSNKDGQVSVIARCHKQYF GELALVTNKPRASAYAVGVKCLVMDVQAPERLLGPCMDIMKR NISHYEBQLVKMGSSVDLGNLQ</p>

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5986	1806	484	DANKSTSLTPHMKLGRRHRRRLAHPKNHLSPOQGGATTQVP SPCCRFDSFRGPPPPRLGLLGALEADGVRGSPVPVSGPMEED GLRWTPKSLPDPSGLLSCTLPNGFGGQSGPFGERSLAPPDASI LISNVCSIGDHVAQELFGGSDLGMAEAEARPGER\AQHSPLE EHVTCVQSILDEFLQT\YGLSLPLSTDEVVEKLEDIPQEFSTP SRKGLVLQLIQSTQRMFGNAMVRGFRVAYKRHVLTMDLGLTYG CNWLDQVMVMYGDVMDTVPER\VFHFNBFY\DKLRTGYDG VERNTENVDIFNRKLLIPIHLEVHSLISVDVRRRTITYFDSQ KTLNRRCPKHIKYLQAEAVKDELDZHQGWKGYPKRVARQNN DSDCGAFVLQYCKHLALSQPFSPFQDMPKLRQIYERLCHCKL TV
5987	1806	484	DANKSTSLTPHMKLGRRHRRRLAHPKNHLSPOQGGATTQVP SPCCRFDSFRGPPPPRLGLLGALEADGVRGSPVPVSGPMEED GLRWTPKSLPDPSGLLSCTLPNGFGGQSGPFGERSLAPPDASI LISNVCSIGDHVAQELFGGSDLGMAEAEARPGER\AQHSPLE EHVTCVQSILDEFLQT\YGLSLPLSTDEVVEKLEDIPQEFSTP SRKGLVLQLIQSTQRMFGNAMVRGFRVAYKRHVLTMDLGLTYG CNWLDQVMVMYGDVMDTVPER\VFHFNBFY\DKLRTGYDG VERNTENVDIFNRKLLIPIHLEVHSLISVDVRRRTITYFDSQ KTLNRRCPKHIKYLQAEAVKDELDZHQGWKGYPKRVARQNN DSDCGAFVLQYCKHLALSQPFSPFQDMPKLRQIYERLCHCKL TV
5988	1292	410	FKYFLSFLGLLESSHSRDRIHNLVLMFLLAHMLVWFTCRFQ RLDCITLNAIMFNPQINTIKALLFGLPS\ABGLLTQCDKITADO LQEVFTDVGHPILIRKLEPLCHSDNPQLIWTSSRNARKEN FSLDPOHSGKKEPYSSSKYATDLSVALARNFNQQLYSNVAC PGTALNLTGILPPPITWLLPAILLLRPFANAFITPTNGTE ALVMLPHQKPSLNPILIKVLSMTGFRNVDITQMDLDEDTAE KFYQKLELEKHIVTITQKTDNQARLSGSC
5989	194	2610	AMDFPQSHVLEQLNQQRQLGLLDCDTFVVDGVHFAKHAVALA ACSEYFOMLFVDQKDVHLDISNAAGLGQVLEMYTAKLSLSP NVDVLA\AVATPLOWQDIITACHALKSLARPATSPGNARALAT EGGKRAKREKATSTLSRLAQGRSTPIGPSRLKKEERGQQAQ SAASGABQTEADAPREDPPVELKDDPTSCNMAAEAEALSSES EQEMEVEPARKGEEQKBOEEQEEGAGPAEVKEEGSQLENGEA PEENKNEESAGTDSQGLSBRAGRLSGTYGDRTESKAYGSVTH KCEDCGKEFTHTGNFQGHIRIHTGEKPFSCRECSKAFSDPAACK ABERTESPLAPYGCCEGKSYRLISLNLRRKRHSGEARYRCED CGKLFITTSGNLERHQLVHSGEKPYQCDYCGRSFSDPTSRMRLE THDTRKHKCPHCDKFPNOVGWLAHLKTHIADGPIKRECGKQ PTTSGNLKRLRIHSGEKPYVCILHQQRQFADPGALQREHRIHTG EKPCQVMCGRAPTOASSLIAHVRIHTGEKPYVCERCGRRFVQS SQLANHRIHNDIRPHKCSVCSKAFVNVGDLKXIIHTGEKPY LCDKGRGFNRVDNLSIIVKTVHQGKAGIKILKPEEGSKVSVVT VDMVILATEALATAVTQLTVPVGAATADBEVLQAEISEA VKQVQEDPNTHLYACDSGGKFLDANSLAQHVRIHTAQALVM FQTDADFYQQYGGGTWPAGQVLQAGELVFRPRDGAEGQPALAE TSPTAPECPPAB
5990	2	4700	FCGPDSCGGARGSGRSQAPYGTGAVSGGQVLLHBERAGD SGFVLSRLGPSLRDKDLEMEELMLQDETLLGTMSYMDASLIS LIEDFGSLGEVNSLPDPSWDFSPPSFLETSSPKLPSWRPPRSR PRWQSPPPQQRSDGEEKEVASFSGQILAGELDNVSSIIPDPF MHLACPEEDKATAENAVPAAGDESISLSSELVRANGPYCLPN LTHLASLEDELBQDDLTLPFGCVVLEIVGQAATAGDDLETPV VVRQVSPGPRFVLNDSLETSSALQIMPTLESETAAVVKVTL CSREGLSLNERRKLDACILKPREVVEPVVPKEPQNPANAAAP GSQBARGRKKSKBQPAACVEGYARRLRSSSRGQSTVGTETVS QVDNLQKQPEELQESGFLQGRKPRAWARAWAAALESSSPN LERSAGQSSPAKEGFLDLYPKLADTIQTNPIPTHLSLVDQAQAS FMPVDSVEADPTAVGPVLACPVVDGGLVDLASTSSELVPLPA EPVLINPVLDASAAVDPAVVPISDNLPVDAVPSGAPVDLALV

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			DPVPNDLTPVDVFLVKSRTDPRRGAVSSALGGSAPQLLVESES LDPPXTIIPVKEVVDLSLKIESGTSATIHARPRLSLSEYRRR EQQRQARTERKRSQPPPTGKWPSPRTPTGLADIPCLVIPPAPAR KTAQRSPTPTLEICLVFVGPSPASPSPEFPVSKPVASSPTBQV PSQEMILLARPSDFVQSVFVPTTPSMSAALDFPAGGLGMPFS LPFPPLQPPSLFLSMGVLPDPPTHYAPLPSWPCYFHVSPSGYP CLFPPTVPLVSGTGAAYVPTCSVPWAPPPAPVSVYSSTCTY GPLGNGPGQHPFWSVPPFPLPPASIGRAVPQPMNESRGTPA GPPFNVPLFLSMAPPLSLGLFGHAPQTEPTVEVKFPVPASPHPK EKVSALVQSPQKALACVSAEGVTVEEPASERLKPETQETRPRE KPPLPATKAVPTPRQSTVPFLPAVHPARLRLSLPTPTQGSSE DVVQAFISRIQIBASDLSLLEQFEKSEAKKECPPAPADSLAV GNSGGVDLPQEKRLDRLQAPFLANVAGLTPPATPPHQLWFLA AVSLLARAKSPSTAQEGTLKPBGVTEAKHPAAVRLQEGVHGFS RVHVGSCDHQYCVRSRTPPKK\MPALLIPEVGSNHNVERHDI TIKPVLISLGAAPPFPCLAAERKPLDERTSSDAQPSAPCLAFS SLLSPBASPCNDMNTTTPPEPSAKQSRMRYKACRSASPSQ GWQGRHGRNRSRVSSGSNRTSRASSSSSSSSSSSSSSSSSSS HRRFRSSSCSSSGSRRCSSSSSSSSSSSSSSSSSSSSSSSSSS PSPRRSDRRRYSSYSHDHYQRQVLOKRAIEKRRVFFIGK IPGENTRSLKQRFPSVFGKIECTIHFVQGDHYGFVTRYARE AFAAISGHLRQADBPFDLCFGRQPCRSYSLSLDSHREDP DPAPVASKPDSLOFDTLKQAKQLRR
5991	334	1379	RLSSHFSCSFSIYC\TKPDQGNVTSFRRKTELQVRLGLQAR DLRFQHVMSITVRNNRIIMMEYLKAVITPBCILLIDYRNLNR QNLFRSLPSQLSGEGQLVTYPLPFEFRAIEALLQYWTINTLQGL SILQPLILRLDLAGDPFHSSVDRSLHILLQNGKSLSELETDI KIPKESILRLDREELLEELCVSKWSDPQVPEKSSAGIDHREM ELLLENYYRLADLSNAARELRVLIDDSQSIIFINLDSHNVMM RLNLQLTMTFSLSLFGLMGVAFGMULESLEDRHIFWLTITGY MFMGSLIHRRLSLFLGR/LARSSIASYGMKDMVHGGIVEGL
5992	2	509	AGPDFRLVCGVSGSGFPGGRQQAETWRPLRPWNGAMEKLRRVL SGQDDSEOGITAQDSQINL/SEVLDASSLSFNTLKNFAICFVC GVFFSILGTGLLNLPGGILPAVFTYTLGNLAALASTCFIMGPVR QLEKMFATRLLATVIMLLCFITLCAALWHTKGLAVLPCILQ FLSMTNYELSYIPIYARDVIRCCSSLLS
5993	1650	594	ABOLQSNVAVAGLGNAGRMHAGGATGALGVGCKLPSAFCYFGS SVAMDMFQKVEKIGEGTGVVYKAKNRRTGQLVALKKIRLDLEM EGVPTAIREISLLKELKHNIVRLDDVHNERKLYLVFEFLSQ DLKRYMDSTPGSELPLHLIKSYLFQLLQGVSPCHSHRVTHRDLK PQNLLINELGAIKLADPGLARAPGVPLRTYTHEVVTLWYRPEI LLATRPYTTAVDINSIGCI\PAENVTRKALFPQDS\BIDQ\LPRI FRNLGTFSRDTWPGVTQLFDYKGSPPKNTKRGLEIVPHLEPEG RDLIMQLLQYDPSQRTAKTALARPYSSEPEPSAARQVVLQRF RH
5994	394	1934	AGEVQLHVWIRGMRIQPO/KAAAYIDLDPDFEQSRPRSCWPL PRPEIANQPSKPEVEPDIGERVHTEGRSEPTLLPSRLPEPAGG PQPGILCAVTGPRKGGSRRAWGNQSYAKLISQAIESAPEKRLT LAQITYEMVVRTVPYFKDKGDSNSSAGWKNIRHNLSLHSEPIRV HNEATGKSSWMLNPGGSGEAPRREAASMDSSSKLLRGRSKA PKKKPSGLPAPPEGATPTS\VGHFAG\SGSPCSRNRKEADMTT FRFRSSSNASSVSTRSLRPESEVLARZIPASVSSYAGGVPT LNEGLELLDGLNLTSSSHLSRSGLSGSLQHPGVGTGLHTYGS SLPSPAEGPLSAGEGCFSSSQALRALLTSDTPPPADVLMTQVD PILSQAPTLILLGLPSSSKLATGVLCPKPLRAPGPSLSLVPTL SMIAAPPVMAAP\PIKALGTPLVTPTRAASQDRMPQDLDDMY MENLECDMDNIISDLMEGEGLDNPEPDP
5995	2	2437	RPPGPGPAGGAMLC\TRARGSAFVPLFRPPSRGARRRRRLPGR GVALRLRGPGSAPGLPRGRAERSAAGSGRGPSEERGAASAAAA AEMMEKLHSL\DP\RRQKLLRARF\TGLGVSKGPLNSESNNQSL CSVGSLSDEKVEVTPKKQNDQRNRKREAPYETSQKGTPEGHK

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			<p>IEDYFERRVEQPLVGLDSSAAKEATEBQSALEPTIMSVMLAKPRL DTEQLAQEGAGLCPTFVSAQQNSPSTGSGNTEHSCSSQKQISI QHRQT/QSDLTIEKISALENSSENSDLEKEGRIDDLRANCDLR EQI\DEQOKMLEKYK\RLNRCPDNEPFLIEKSKQKMACRD KSMQORLRLGHFTTVRHGASFTQWTDGYAPONLIKQGERINSQ REBIERQKMLAKRPPAMQAPPATNEQQRKSKTGAENETL TLAEYHEQERIFKLRGLHLEKEEABIQARLERLERVNLHIREL KRTHNEDNSQPKDPTLNDRYLLHLGRGGFSEVYKAPDLTEQ RYVAVKIHQLNKNWDRKKENYHACHREYRIHKLDEPRIVKL YDPSLDTDSPTVLEYCEGNLDLFYLRQHKLMSKEARSIMQ IVNALKYLEIKPPIIHYDLKPGWLLVNGTACGEIKITDFGLS KIMDDSYNSVDGMBLTSQGAGTYWYLPPECFVVGKBPXISNK VDVMSVGVIPYQCLYGRKPFHNGSQDQILQENTILEKATEVQPP PKPVVTPKAAFIIRCLAYRKEKDRIDVQQLACDPYLLPHIRKSV STSSPAGAAJASTSGASTNSSSN</p>
5996	1612	981	<p>DQQAQLGLMLTLRFGILEPDPFSWIGSWTOR/SWVSWSRSPGCE LFSIVVFGSIVNEGYLMSASBGEFPCIYNNRPNACSYGVAVGV AFLTCLLYALDVYFPQISSVKDRKK\AVLSGHPVVSSEPHPA FWAFLWFTGDSCTY\ANQWQVSKPKDNPLNEGTDASGRPSPPS PFSIFTNLSLTAALAVRRPKDLSFQREYSTLPP\ASAQP</p>
5997	1612	981	<p>DQQAQLGLMLTLRFGILEPDPFSWIGSWTOR/SWVSWSRSPGCE LFSIVVFGSIVNEGYLMSASBGEFPCIYNNRPNACSYGVAVGV AFLTCLLYALDVYFPQISSVKDRKK\AVLSGHPVVSSEPHPA FWAFLWFTGDSCTY\ANQWQVSKPKDNPLNEGTDASGRPSPPS PFSIFTNLSLTAALAVRRPKDLSFQREYSTLPP\ASAQP</p>
5998	1612	981	<p>DQQAQLGLMLTLRFGILEPDPFSWIGSWTOR/SWVSWSRSPGCE LFSIVVFGSIVNEGYLMSASBGEFPCIYNNRPNACSYGVAVGV AFLTCLLYALDVYFPQISSVKDRKK\AVLSGHPVVSSEPHPA FWAFLWFTGDSCTY\ANQWQVSKPKDNPLNEGTDASGRPSPPS PFSIFTNLSLTAALAVRRPKDLSFQREYSTLPP\ASAQP</p>
5999	2	1790	<p>RPPMEKARRGGDGVPRGPFVLIIVVVGFIHKKGCQVEFSYPLIP GDGDSHTLPKRNKYLPLALPDGAHNYQEDTVFPLPPRNGNG ATVFGISYCR\QLEAKALKVROADITREIVQKSVCLSKLPLYG LLQAKQLITHAYFEKDFPSQISILKRLYKHMSSSLGGASLEGS QVYLGLSPFDLVLFHFRHGLILFLILLEKKVLPYISPVNKLVG ALNTVLSLPCWIEHGLSDCSQYRPRKMSRSDGGLQBSNPCADD FVSASTADVSEHTNLGTIRKVMAGNHGDDAAMKTEPLFQVEDSS EGQEPNDINQYLKPPSRPSPDSSSESDNETLDPVLEDFNLKERR QLQSDQTNLPKDSVPSESLPITVQPOANTQVVLIPGLISGLE EDQYGMPLAIFPGYLCLPYMALQQHLLSDVTVRGPFVAGATNI LFRQQHLSDAIVEVEEALIQIHDPELRKLLNPTADLRFADYL VRHVTENRDUVFLDGTGWEGGEWIRAQFVYIHALLAATLQLV LFRIVNVAKKIGVHVVT\SRNVVQTGK\AVGQSVGGAFS\SAK TA\NSSNLSTFTTSTSQSLTEPPDERP</p>
6000	101	1561	<p>TEPCRTAENCTATSHNNKNSLESSLRQLKCHPTWNLMEGENSL DDFEDKVYRTPEQNRBEKATMCNLLAYLRHLKQNEAALECLR KAEELIQQHADAQASIRSLVTWNGYAWVYEMGRISDVQIYVDK VKHVCERFSPYRIESPEDCEBGNTRLKOGGNQNERAKVCFEK ALEKKPNPEPTSLGLASTYRLDNWPPSQNAIDPLRQAIRLNPD NQYLEVLLALQIHMRREGEERGEGRK\LVRALEKAPG\VTDV LRSA\KPYRGKDEPDKAIKLLKRALYIP\NNAYLHCQIGCCY RAVFPQVNLRENCHYGRKELLSLIGHAVAHLEKKADEANDLFR VCSILASLEALADQYEDASYFPQKEFSKELTPVAKQLHLRYGN POLYQNKCEDKAIHFFLEGVKTQESREKERMKDLQKIAKMR SNGADSEALHVLAFLOELNEMQQAEDOSERGLESGSLIPAS SRNGE</p>
6001	176	1038	<p>AFAPSPSRGHRETHIHTPRHTPRCTMAESHLQSSLITASQFPEI NLHPDADSGSYLGEKELQNLQBLQARXGAGLELSPENKTFVD QYQQRDDGKIGIVKLAHVLPTEENPLLLFRQQLKSC\EFMKT WRKYDTHSGPTIETRLKNFLKDLLEKANKTVDDTKLAEYVTL</p>

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6002	977	81	LKLFDSNNMGKLELTETMARLLPVQENFLKPGQIKMCGKEFNKA PELYDQDNGYIDENELDALLKDLCEENKQDLINNITTYKKNT HALSDGGKLYRTDLALILCAGDN LAPFGGGLHIPPRTPLSHSRFPFPHHAPFSPPLPLPPADLHPHS SWAQRSDLLBLDQQLTRDVRVVVSHDRNLCRQSGLRDVGSLDF EDLPLYKKELEVYFSPGHFAHSGSDRRNRVLEDLQFPRTPTMSV EIKGKNEELIRBQ/VLVRRYDRHBITTASRKSVMKRCRAANP EMPLSPTISRGFWLLSYLGLLPFPIPEKFFCFPLNITNET YPPFSCSLNQLLAVVSQWLMRKSRLRHLREERGQVVPWCLNE ESDFEAPSVGATGVITDYPALRHLYLNEGPAARTS
6003	140	4098	GKLRAPFGMRRLICKRICDYKSPDDEESVDGNRPSSAASAPKVP APKTSNPNANSARKPGSAGGPKVGAGASKEGGAGAVDEDDFKA YTDVPSIQIYSSRELEETLNKIREILSDDKHWDQRANALKKIR SLLVAGAAQYDCFFQHLRLLDGALKLSAKDLRSQVVRACITVA HLSTVLGNKFDHGARAIVPTLPNLVPSNAKVNATSGCAAIRPI RHTHVPLIPLITSNCTSKSVPVRRRSFEFLDLLQBWQTHSLE RHA AVL VETIKKGIDADARVARKTYMOLRNHFPGEATLY NSLEPSYQKSLQTYLKSSGVSASLPQSDRSSSSQBSLRPFSS KWTANPSTVAGRVSAAGSSKASSLPQSLQBSRSDDVNAAGAK AHHAGQSVRSRGLGAGALNAGSYASLEDTSDKLDGTASEDGRV RAKLSAPLAGMGNKADSRGRSETKMVSQSPGSRSGSPGRVLT TTALSTVSSGVQRVLVNSASAQKRSKIPRSQGCSEASPSRLSV ARSSRI PRPSVSQGCSEASREBSRDTSPVRSFPQLASRHHRS TGALYAPBVYAGSGPGYGISQSSRLSSSVAMRVLTGSDVERA VADALLGDIRTKKPARRRYESYGMHSDDDANSASSACSEERS YSSRNGSIPTYMQT\EDV\AEVLNRCASSNWSERKEGLLGLQN LLKNQRTLSRVLEKRLCEIFTRMFADPHGKRVFSMLETTLVDFI QVHKDLDQWLPVLLTQLLKNMGADLGSVQAKVQKALDVTRES FPNDLQFNILMRFTVDQTQTPSLKVKVAILKYIETLAKQMDPGD FINSETRLAVSRVITWTTEPRSSDVRKAAQSVLLSLPELNTPE FIMLLGALPKTPQDGATKLLHNLHRTGNQTSSMGSPLTRPTP RSPANWSSPLTSPNTSNTLSPSAFDYDTERNMSEDIYSSLRG VTRAIQNPSPRSQEDMNEPLKRDSEKDDGDSNCGGPG\MSDPRA GGDATSSQTA\DNKASTLLHSMPTHSPPRSRDYNYYSOSIS PFNKSAKRAMFDDADQFPDDLSDHSDLVARLLKRTSNHNER VEBKIALYELMKLTQBSFVNDHFKTILLILLLETLDGKEPT IRALALVLRRLRHQPARFKNYARLTVMETLEAHEDPHEKVV SAREASV\LATSI\SPBQCIKVLCP\IIQTADYPIALAIKNOT KVIERSVKEILNLLPPIIMPGLIQGYDSESSVRKACVPCLVAV HAVIGDELKPHLSQLTGSXMKLLALYIKRAQTGSGGADPTDVS GQS
6004	140	4099	GKLRAPFGMRRLICKRICDYKSPDDEESVDGNRPSSAASAPKVP APKTSNPNANSARKPGSAGGPKVGAGASKEGGAGAVDEDDFKA YTDVPSIQIYSSRELEETLNKIREILSDDKHWDQRANALKKIR SLLVAGAAQYDCFFQHLRLLDGALKLSAKDLRSQVVRACITVA HLSTVLGNKFDHGARAIVPTLPNLVPSNAKVNATSGCAAIRPI RHTHVPLIPLITSNCTSKSVPVRRRSFEFLDLLQBWQTHSLE RHA AVL VETIKKGIDADARVARKTYMOLRNHFPGEATLY NSLEPSYQKSLQTYLKSSGVSASLPQSDRSSSSQBSLRPFSS KWTANPSTVAGRVSAAGSSKASSLPQSLQBSRSDDVNAAGAK AHHAGQSVRSRGLGAGALNAGSYASLEDTSDKLDGTASEDGRV RAKLSAPLAGMGNKADSRGRSETKMVSQSPGSRSGSPGRVLT TTALSTVSSGVQRVLVNSASAQKRSKIPRSQGCSEASPSRLSV ARSSRI PRPSVSQGCSEASREBSRDTSPVRSFPQLASRHHRS TGALYAPBVYAGSGPGYGISQSSRLSSSVAMRVLTGSDVERA VADALLGDIRTKKPARRRYESYGMHSDDDANSASSACSEERS YSSRNGSIPTYMQT\EDV\AEVLNRCASSNWSERKEGLLGLQN LLKNQRTLSRVLEKRLCEIFTRMFADPHGKRVFSMLETTLVDFI QVHKDLDQWLPVLLTQLLKNMGADLGSVQAKVQKALDVTRES FPNDLQFNILMRFTVDQTQTPSLKVKVAILKYIETLAKQMDPGD FINSETRLAVSRVITWTTEPRSSDVRKAAQSVLLSLPELNTPE

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			<p>FTMLIGALPKTFQDGATKLLHNLHNTFGNGTQSSMGSPLETPTP RSPANWSSPLTSPTNTSQTLSPSAPDYDTENMSEDIYSSLEQ VTEAIQNPSFRSQEDMKREPLKRDSDGDSMOGGPG/MSDPRA GGDATDSSQTAL/DNKASLLHSMPTTHSSPRSDYNPYNYSDSIS PFNKSALEAMFDDADQFPDDLSLOHSDLVARELLKELSMHNER VEERKIALYELMKLTQESPSVWDEHPKTI/LLLLLBTGLGKEPT IRALALKVLRBILRHQPARPKNYAELTVMKYLAHKDPHREVV SAREASV/LATSI/SPEQCIKVLCP/IIQTADYPIHLAADQMT KVIERSKBTINLLLPIMPOLIQYDNRSSSVKACVPLVAV HAVIGDELKPHLSQLTGSRMKLLALNYIKRAQTGSGGADPTTVS GQS</p>
6005	133	5955	<p>RSSGRQEQQLGQFPGRERKMSAGLGSPPSPCSAGSEEDMDALL NNSLPFPHFENEEDPEKDLSETPTPKLKKKKPKPRDPKPKS KROKKEKMLLCRLQDSSGEGPEFVEEHEEVALRSDSEGSYTP GKKGKGLGPKKESKSKRKEEEDDDDDDSKEPKSSAQLL EDWGMEDIDHVFSEEDYRTLTNYKAFSQFVRPLIAARNPKIAYS KDDHVLGAKNREPSTNEPFGSSGASVAAAAAAVAVVESMTA TEVAPPPPPVHVPRKAKTEKGKOPHARRKPKGSFRVFDKPKK PEKVAPLEIKLGGFGSKRRSSSEDDLDVESDFDASINSYSV SDGSTSRSSSRKGLTTKKKKEGESEVTAVDGYETDQDYCEV CQGGGIILCDTCPRATHMVCLDFMEKAPKPKNSCFHCKEET QWEAKONSBOGKILREVGGDLKEEDDHMEKFCRVCKDGGELLC CDTCPSYTHICLNPLPPIPNGEWLCPRCTCPALGKVKQKILI HEMGQPPSPPTFVPRPDADPTTSPKPLEGPRPERQFVEKQMS YMHCSVRELQLRLHC/QVMFRNYQRKNDNDPPSGDFGGDEK S/REKKNKPKPAEMBEFERYGILKEW/MNIHRLAHSVDKRG HVYLIEMRDLFYDQASWESEDEBIQDYDLKQSYNNHRELKRG EBGRPGKGLKVKLRKLERPFETPTVDPTVKYERQPEYLDATGG TLHPYQHEGLNWRFSMAQGTDTLLADEMGLKTVQTAFLYSL YKGGHSKGPFLVSAPLSTIIN/WEREPEMADPMYV/VTVGDK DSRAIIRENBS/FEDNAIRGGKASRMKKEASVKFVLLTSYE LITIDMAILGSDIWAACLIVDRAHRLKNNQSKFFRVLAGYSLQHK LLLTGTPLQNNLELFTLLNFLTPTERPHNLEGFLEEFADIAED QIKLEDMIG/PHMLRLKADVPKMPKSTELIV/RVELSPH/Q KKYK/YILHSEPLKALN/ARGGGQVSLNVMDLKKCCNHPY LEFVAAMEAPKMPNMGYDGSALIRASGKLLLLQMLKLEGGH RVLIPSQMTNMLDLEDFLEHEGYKYERIDGUITGMMRQEAIDR FNAPGAQPCFLSTRAGGLINLATADTVIYDSWNPNDIQ AFSRAHRIGQNKVMYTRFVIRASVBERITQVAKKMLTLV RPLGSKTGSMKQELDDILKPFTEBLFKDEATDGGGDNKEGD SSVIHYDDKALERLLDRNQDETDTRLCMMNYLSFPKVAQYV REEMGESEEVERBIIROESVDPTYWKLRLHHEQOQEDLAR NLGRGKRIRKQVNTDGSQEDRDWDDQSQNDYSVASBEGDE DFDERSEAPRRPSRGLENDKDFPLPPLARVGGNIEVLGFNAR QRKAFINAKRYGMPQDAFTTQMLVRDLRGKSEKFKAYVSLF MHLCFPGADGABTFADGVPREGLSRQHVLRIGVMSLIRKXVQ BFEHVNGRWSMPELAEVEENKMSQPGSPSPKTPPTSTPGDTQP NTPAPVPPAEDGIIKIRNSLKEESIBGEKEVSTAPETALECT QAPAPASEDEKVVVEPPEGEKVKAEVKERTBEPMBTEPKGRG AADVEFVEKSAIDLTPIVVEDEKKEEKEEKEGVMLQNGETPK DLNDEKQKNIKQRFPMNIADGGFTLHSLWQNSERAATVTKET YETMRRHDYMLLAGIINEGYARQDIONDFRYAILNSPPKGE NENFLEIKKKFLARRPKLLEQALVIBEQLRRAAYLWMSDPSH PSMALNTRPAEVECLAESQHLKESNAGNKPANAVLHKVLKQL KELSDNADVTPLPATIARIPPAVRLQMSERNILSRANRAP EPTPOQVAQQQ</p>
6006	1	965	<p>DNDFLRNTVHRHBPVTAETPLLAARNEDVVVDKPSIPIVHPC GRPRENTVIPTLGRKHQLKELHPLERLDRLTSGVLMFAKTAVS ERIHEQVDRQLEKRYVCRVGESEPTTEVTCKEPILVVSYKGV CRVDPRGKPCETVQRLSYNCQSSVVECRPLTGRTEQIRVHLQV LCHPILNDPIYNSVAGSPSRGRGGYIPKTNEELLRLDVAHQAK</p>

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			QSLDVLDI CEGDLS PGLTSTAPSSKLGDDLEKLA AAA\QEMR EVAEAPQELDTIALASEKAVETDVMNQ/RQT/TLCRV PAGATG SLAPPCDVPTCTL
6007	3	2351	RELGVVYVFTDKTGLTENEMQPRECS INGMKYQINGRLVPE GPTPDSSEGNLSYLSLSLHNLHSLTTSSSPRTSPENETELIK EHDLPFAVBLCHTVQINNVTQCTGQGPQSNLAPSQLEYAS SPDEKALVEAARIGIVFIGNSEETMEVETLGLERYKLLHILE FSDRRRMSVTVQAPSGEKLIFAKGARSILPKICIGGEIERTRI EVDKFALEGLTLCIAYRKPTSEKYEERIDKR-PEARTALQQR/B EKLAAPVQPIREKDLILGATAVEDRLQDEKRETIKALRMAGIKV WVLTDGHEFTAVSVLSLSCGHFERTMNLIELINQSDSCAEQLR QLARRITEDHVIQGLVVDGTSLSLALREHEKLFMEVCRNCSAV LCCRMAPLQKAKVIRLIKISPEKPIITLAVGDGANDVSMIQEAHV GIGIMOKBGRQAARNSDYALAEFFELSKLFPVEGHFYIRIATL VQYFYKRVCFITPQFLYQFYCLFSQOTLYDSVYLTLV/NICPT SLFILIYSLLEQHVDFHVLQNKPTLYRDLSKNELLSIRTFLYWT ILGFSHAFIPFPGSYLLIGKDTSLGNGQMGFWTFGLVFTVM VITVTVMALE-HPWTWIDHVLVTGSIIFYFVPSLFVGOILWPF LGSQNMVYVFIQLSSGSANFATILMVVTCFLDIIKKVDFRHL HPTSTEKALQLTETNAGIRCLDSMCCFPGEAAACSVGRMLERVI GRCSPTHSRSWSASDPPTNDRSILTLTMDSSTC
6008	4554	1089	AGVRRAGARRGPRALFAGATAVPPFSARRRRRCPAPEHAGPAR ASRPSQETMPQLPVNNLGSRLRKARKTVKLLSDICLEYCKEHE DFKQFEPNDPFLYKVTTWEDVGLMDPSLTKNQDYRTKPFCCSACP FSSKFFSAYKSHFRNVHSEDFENRILNCPYCTPMADKRTLETH IKCIFAPNASAPSSSLSTFYDKNRNDGLKPKQADSVBQAVYCK KCTYRDPYKTVRKHLYREHFQHVAAFYIAKAGEKSLNGAVPIG SNARESSITHKRCCLFMPKSYEALVQHVIEDHERIGYQVTAMIG HINVVVPREKPLMLIAPKPKDKSMGLPPRIGSLASGNV/RSLP SQOMVNRLSIPKPLNSTGVNMSSVHLAQNNYGVKSVGGYSV GQSMRLGLGGAFFVSIPOQSSVVKQLLPSCNGRSYGLSSEQRSSQ APARYSLQSANASSLSGQLKSPSLSQQASRVLQSSSKPAAA ATGPPPGNTSSTQKWKICTICNEKLPFEVYSVHFEEKHAEKVP AVANYIMKIHNTSKCLYCHRYLPTDTLNNMLIHGLSCPYCRS TFNDVEHMAAHMRNVHIDEHMGPKTDSTLSPOLYLQGGSHNTH LLVTTYNLRDAPAESVAYHAQNNPVPVPPKQPFVQEKADIPVES SPQAAVPIKDVGKTLCPCLPSILKGPISDALAHLLRRHQVIO TVHPVEKKLTYRCIHCLGVYTSNMFASTITLHLVHCGRGVKTON GQDKINAPSRINQSPSLAPVKRTYEQMEFPLKRLDDSDSP SFFREKPEEPVVLALDPKGH\EDOSYEARKSFLTKYFT/KQPYV TRREIEKLAASLWV\WK\SDIASHPNKKKCVRDCEKYKPGVL LGFNMKELANKVHEMDFAEGLFENHDEKDSRVNASRTADKRLN LGKRDSSSDSPENLEKSNESGSPFDVPVEVPKISNDNPEEH VLKVIPEDASESERKLDQKEDGSKYETIHLTEPTKLMHNASDS EVDQDDVVENKDGASPSSESGPSQVSDFDNTCEMKPGTWSDE SSQSEDA RSSKPAKKKATMQGDREQLAKWNSSYGKVEGFWSKD QSQWNASENDERLSNPQIEHQNSTIDSEDEQMTNMTDGVABP MECSLAGVLLSSQA
6009	4272	1534	CHGLQHLTFFRELNLSLQG*BPH*AA*QAVREERKSIC*GSPSC HLVLGLVLPVARQSSSHSAGPAQSAFR*TTGTSGTPKAAEQSGYW EATTLGHQHWNMFPPIQRPLVMGRRIMCGKCEG*VSDSVTGG RAVAGEQASQRETVPTAGGGECLGAKSVRASVFTGNQPGVMGLL NGKRGCCFESGYLFGFIVIGIKIQLSEARVPLEVNGQTERASPG NCEIHIVDAVC*SEHH*DHFLAAAFLENSTIIS*VAPGSNODHA VLQKKVQASVRCRGFESVDTAPAGFWAHSPPGLQGEPTTTSVSL FVLAPQDGBGVVVEGQLVTVLGLVVPQSI RHTFVHTQLFLHP I*KLGA LDVAPLHLITLVCSSEFNAYG*GKNGGTLHLQFAEVN AVTRGSAVQRPSITISSIHVDTKIQKELHDVNVAGADGVVWQNG DPFVVLGAGI PHLIDDPLEHQLKLSFQRRV*EQCGGVK*DSQFVP RFLRVOLLQVGPLVRGGGRVAGRCRCVRDLLFPNRWGLSHRT RDLLRGGDEGHVVVVLICRLGSLVGGLGTDRLWFGGR*LIITIG

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			<p>I**RGRLSGEWGCGLGRGELPQVSIIGVSIIVHIGQGDHEVLGG AQLVERGALHATCGQVEALVQQLLDVGPAGALGLCDGAALPQGP GRVGQLPAGGLQVCITLVAQMRMHGRELGGAKNPWQALHGAAL CGVGGAILLKALSQYFLKGG*RLWCARGQ*PVKRRQRWRG*TR R*HGLTTHCFN*LI*GAVCCRLVILRWGGLLEVHGVGT*IHCL GSFPGRLWP*PFLSQRRPFGHCQWEPFLAVPSWKEHSEWVRG TWBYGEPLNL*GANLGSAAAGGQGGGFLSTWQACTOPGQAAP LPFFQGACRPTQRCRTWVCPIANRQLLAYTED</p>
6010	1	3533	<p>IMPCCSSRLLEGCTHPEFVSDLSYFDCIESVMENSKVLGESH AGISQNAKTGDLPAFGCEVCIGASKALCGLTRAQAAYLVGIFD PNSQAGEQGLVDPIQFARANQAIQMACQNLVDPGSSPSQVLSAA TIVAKHTSALCQACRIASSKTANPVAKRHFVQSAKEVANSTANL VTTIKALDGDPSERKRCRIATAPLIEAVEHLTAFASHPFVVS TPAQISSBGSQAQEPILVSAKPMLESSSYLIRTARSLAINPKDP PTWSELAGHSHTVSDSIKSLITSIEDKAPQORECOYSIDGINRC IRDIEQASLAAVSQSLATRDDISVEALQEQLTSSVQSIGHLIDP IATAARGEAAQLGKGTQLASYFPEPLILAAVGVASKILDHQQM TVLDQTRTLAESALQMLYAAKEGGGPKAQHTEDATTEAQLMK EAVDDIMVTINRAASEVGLVGGMVDAIAEAMSKLDEGTPPEPKG TFVDYQTTVVYKSKALAVTAQEMTKSVTNPELGGGLASQMTSD YGLHAFQGMMAATAPEEIGFQIRTEVQHLGHCIFLVQKAG\ ALQVCPTDSYTERRLIECARAVTEKVSILVLSALQAGNKGTOACI TAATAVSGIADLOTTIMFATAGTLAENSETFADHRENILKTA KALVEDTHLLVSGAASPTDKLQAQAQSSAATITOLAEVVELGAA SLGSDDPETQVVLINAKIDVAKALSDDLISATKGAASEFVDDPSM YQLKGAAKVMVTSTLLKTKVAVDEATRGTRALEATIECIKQ ELTVFQSKDVPKRTSSPESIRMTETITMATAKAVAGNSCRQE DVLTATNLSRRVSDMLTACQASPHDPVSDVTRALRFGTEC TLGYLDLLEHVLVILQKPTPELKQQLAAFSKRVAGAVTELIQAA EAMKGTENVDPEDPTVIATTELLGAAASIEAAAKLQKLPRAK PKQADETLDFEQILEAAKSIDAATSALVKSASAAQRELVAQGR VGSIPANAADDGQWSQGLISAARMVAARTSSLCBAANASVQGH SEKLISSAKQVAASTAQLLVACVKAQDQSEAMERLQAAGNAV KRASDNLVRAAQXAFGKADDDVVVETKFGVGLAQIQAQSEM LKKERELREARKLAQIRQQYKFLPTLREDEG</p>
6011	446	1835	<p>LIQPMARKSPGLSDCLWAWILLSTLTGRSVQPSLQDELEDNT TVPTILDLRLDGDNDRLRPLGERVTEVEKDIPTVSPGVSDB DMETITDVFFRQSWKDERLKPQPMPTVLRILNLMASKINTPTDF PHNKKSVAHNMNPNKLLRITEDGTLTYTMRLTVR\AECPMAP GRDFM\DAHACPLKFGSYATTRAEVVYEWREPARSVVVAED GSRLNQYDLGQTVDSGIVQSSTGEYVMTTHPHLKRKIGYFVI QTYLPCIMTVILSQVSPWLNRESVPARTVFGVTVLMTTSLIS ARNSLPEVAYATANDWFLAVCYAFVFSALIEFATVNYFFTERGYA WDGESVVEPKPKVEDPLIKQNTYAPTATSYTPMLARGDPGLA TIKESATISPKEVPEPKPPPKPTFNSVSKIDRLSRIAPPLLP GIFNLVYRATYLNREPQLKAPTPHQ</p>
6012	351	5013	<p>PAELFQSFATWKKELYDWRGPGWNCQCPVYSKSLKPLECIKGE EGIQVREIACIQKDEDIPAEIICRYPEPKPLLEQACLIPOQQD CIVSEPSAWSECSKTGSGLQHTRIHVVAPOFGSGCPNLTEP QVQSSPCEARELYSLHVGWSTCSMPHSRQVRQARRRGKNE REKDRSGVKDPEARELIKERNRNRQNRQENKYWDIQIGYQTR EVHCINKTGKAADLSFCQKELPMTFQSCVITKECQVSEWSEWS PCSKTCHDMVSPAGTRVTRTIRQFPISGEKECEPFBKEKPCLS QGDGVVPCATYGMRTIEWTSCRVDPILLSQDQRRGNQZALCGGG IQTEVYVCVQANENLLSLSLTHQNKASKPMDLKLCGPIFNNT QLCHIPCPTCEVSPWSANGPCTYENCNDQGGKGFLLKRRIT NEPTGGSGVTGNCPHLLZAIPECEPACVYDKAVRLGDCRPDNGK ECGPGTQVQSVVVCINSDEBEVDRLCRDAIPPIPVACDAPCPKD CVLSTWSTWSSCSFCSGKCTEGKQIRARSILAYAGEGGIRCP NSSALQEVRSCHBPCTVYHMQTGFQGCIEDTSVSSFNTTTTW NDEASCSVGHQTRVICVRVNVGQVGPKECPESLRPSTVRPCLL</p>

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			PCKKDCIVTPYSDWTSFCS\SCREEDSSIRKQSRHVVIIQLPAN GGRDCTDPLYREKACAPQACQSYRW\KTHW\HRCQ\LVP\WS VQODSP\GAQEGCGPGRQARAI\TCRKDDGGQAGIHCLQYAGPV PALTQACQIP\COODCQLTSWSKFSKCGDCGAVTRKRTLKVGKS KMKKCKRNSHLYPLIETQYCP\CDKYNQPVGNWSDCILPBGKVE VLIGMKVQGDKECGQGYRYQAMACYDQNGELVETSRCSHGYI EEACII\PCPSDKLSEWSNWSRCSKSGSGVKVRSKWLREKPYN GGRPCPKLDHVNQAVYEVVPC\HSDCNQYLAVTFWSICKVTFV NMREHCGEGVQTRKRVCMQNTADGPSEHVEDYLCDPBEMPLGSR VCKLPCPEDCVISEWGPFTQC\VLPCNQS\SFORSADP\IRQPADB GRSCFNAVEKEPCNLNKN\CHYHDYNVDWSTCQLSEKAVCGNGI KTRMLDCVRSDGKSVDLKYCEALGLEKNWMTSCMVECPVNCQ LSDWSFWSECSQTQGLGKNIRERTVTQPPQGDGRPCPSLMDQS KPCPVKPCYRWQYQWSP\PCQVQRAQCGEGRTRMISCVVSDGSA EDFSKVVDRFPCADIBLI\IDGNKNMVLSESCQPCPGDCYLKDW SSNSLCQLTCVNGEDLGFGGI\QVRSRPVI\QELNQLCPEML ETKS\CYDGCYETKMASAWKSSRTVWCQESDGINVTGGCLVM SQPDADRSNPPCQSPHSYCSBTCTCHCEGTYTEVMSNSLTBQ CTLI\PVVVLPTMEDKRGDVETSRVHFTQPSNPNAGRRTWFLQ PPGPDGRKLTWVYGVAAGAFVLLI\FTVSMIYLACKKPKKQRRQ NNRLKPLTLAYDGDADH
6013	1161	710	GAFLAGVFPQVFLIRYFNSLD\TTEWNRGPGVLKVLWLTASQC STVDVEPLFVYHPSPEBSRDP\LYANNVQVMAQALGIPATECB FVGLSLPVTIVGRLLKVALEPQL\WOTGRSASEGNVAVRWLCGRWGR ARPSNDQPGHVCQAATL
6014	2857	613	EAVAGGMEKSRMNLPGP\DTLC\PKDKRFMKEDFVDH\HFVSDCRK RVQLEELRDDELYKLLK\TAMVRLINKDVADP\VNLS\TULVGM DKALNQLSVPLGQLREZVLSESSVS\EGIRAVDERMSKQEDIRK KKNCVLR\LIQVIRSVETIKELINSQSSKETSAL\BASSPLITGQI LERIATEFNQLQFHACQSK\CMPLLDKVRPRIAGITAMLQQSLE GLLEGLQTSDDVITRHCLRTYATI\DIKTRDARALVGQVLVKPYI DEVITEQFVESH\NGLQVMYNKELLE\VFHICRLLEVTGGAISS EKGHTVPGYDFLVNSVWPQIVQGLEKLP\SLFNP\GNFADAPHRY TISHDFVRLERQCGSQASVKRLRAHPAYHS\FNKKNL\PVYFQI RPREIACSLRAAL\TDVLEDA\BAPS\PYCLASHRTWS\SLRCWSD EMFLP\LLVRLWRLHSGRFWARYSVFV\N\ELSLRPISNESPKR IKKPLVTGSKEPSITQ\NTEDQSGSPSETKVVS\ISRTQLVYV ADLDKLEQLPELLEITIKPLENIG\PKNPSISAALEDSSQSPS ACVPSLSKKI\IQDLSDCPGLKSALEVPRLYRRTNKEVPTAS SYVDSALKPLFQLQSGHDKLEQAI\IQWLEGLSESTHEYET VSDVLSVKRMEESLRLKQARKTTPANPVGSPGGMSDDDKIRL QLALDVBYLGBQIQKLG\QASDIKSPSALARLVAAARDQATAEQ P
6015	13	2237	ABGCAERRGTFFVVL\SMWSHESGAGPGLGSGMDLVWSAWYGRK VKGKGS\PLSANGIVVANLSRAENDQVT\LYL\CDHKLQRYALN RITVWRSRSGNELFLAVASTADLIECKLDVTGGGLTDELRLLY GMALVRFPVNLISREKTKFAK\VLKCLAQEVNI\PDWIVDLREKLT HKMPLHINDCRGCTYFLDNLQKTYNCROLENSLRETWLEEF EGIKEEDQBEDKNI\VVDDITQKPEPQDDGKSTESDVKADGDSK GSEEVDSHCCKALSHKRLYERARLLVSYKEEQFTVLRKPYLP KAIKAMNPNP\RVECVLAELNGVT\CMNRRAVLDAFLDDGFLVPT PEQLAALQIEYRENDLEDV\LVKPPFSQFNQPLLRLGLHSQNFQ ALLERMLSEL\PALGISGIRPTYILRWTVELIVANTETGRNARRP SAGQWARRGWRLFNCSASLDWPMVESCLGSPCWASPOLLRIT F\XAMGGGLQDE\BQEKLLRICSIYTSGENSLVQEGSEASPIG KSPYTLDSLYSVKPASSSFGSEAKAQOQKEQGSVNDVKEEKE EKEVLPDQVEKEEENDQKEEEDDEDDDEEDRDMEVGPFSTG QESPTAENARLLAQ\RGALQGSANQVSSRDVMDTFP\LGRMPR SRPRTPAELMLRNYDTHVIFWTKPVL\BQRLPSTCK\TDTLGL \SCGVGS\GNCNSSSSNPRGAPLLBARGSLH\GL\RTGLQLP ASGCAERRGTFFVVL\SMWSHESGAGPGLGSGMDLVWSAWYGRK
6016	13	2237	ASGCAERRGTFFVVL\SMWSHESGAGPGLGSGMDLVWSAWYGRK

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			<p>VKGGSLPLSAHGIIVAWLERAEWDQVTVYLFCDDEKLRVYALN RITVWRSRSGNKLPLAVASTADLRCKLLDVTGGLOTDELRLLY GMALVRFVNLISERRTEPAKVFPLKCLAQEVLNPDWIVDLRHELT EKKMPFINDCRRCGYFVLDWLQRTYFCRQLNSLRRTWELEEF EGIEREDQEDKNTVVDDITBQKPEPQDDGKSTESDVKADGDSK GSEEDVSHCKEALSHCKLYERARBLVSYEEQFTVLEKFRYL KATKANKNPSFVVECVLAKLGGVTCENREAVLDAPLDDGLVPT FEQLAALQIYEBENVLDNDVLVFPKPSQFWQPLLRGLHSQNFQ ALLERMLSELPALOISGIRPTTLIRWTVLIVANTETGRNARRP SAGQWEARRGNRLPNCASLDWPMVBSCLGSPCPCASPOLLRIT P\KAMGQGLQDB\BQKLLRICSIYTCSCENSLVBOGSEASPIG ESPYTLDSLYNSVKEPASSPFGSEAKAQOQEQGVSNDVKEEKE EKEVLPDQVEEKEEDDQEEEDDDEEDDEKDRMEVGPSTG OESPTARNARILLAQKRGALQGSAMQVSSSEVWDTFP\LGRMP SRPTPARMLKENYDTHTVFWTKPVL\BQRLESTCK\TDITGL \SCGVS\GWCNSSSSNPRGAFLLAARGSLH\GL\ETGLQLF</p>
6017	203	3469	<p>SHQETBQNSAMAPRRKGGHGLBPTCCPENNDRPITYRLNDS NVALQTMFALPMPFVEELDVMPSELVDLDTDKHREAMPALP AKKQWQIYCSKKQDQENKQATSNPEFYIDQLNSMAAREKSLAL EKKEEERKXTIESLAKALRTKPMRFVTRFDLGLSCIINFLK TMDYTESERIHTSLIGCEKALMNSQGRHVLASHSINVTQA SLSTENIRTKAVAVLRILGAVCLVPGHKKVLMMLHYQKYASER TRPQTLINDLXSTGRYDEVSLETAIMSFINAVLSQAGVBSL DFRLHLYE\PLMLGILPVMKLRKHENSTLDRHLOFFENLRNE DELEFAKRPFLVHIDTKSATQMPFLTRKRLTHSEAYPKPMSILH HCLQMPYRSGNTVQVWLLDRIIQQIVIONDKGQDDESTPLEN FNIRNVVRLNVENVEQWKEQAKMRKEHKLQKLEKKEHRE DARTQKEEMQTLANKMKEKLEKETTEHQRVQVQVACLTAQLHB LSRRAVCASTPGGSPGAPGGPPFPSSVPGSILPPPPPPPLPGM LPPPPPLPPGPPPPPPPPPLGAIMPPGAPNGLAKKYSIPO PINALKSPNWKLPENKLEGTWTEIDDTKVPKILDLEDLERTP SAYQROQDPFVNSNSQKEADAIDDTLSKLVKELSVIDGERRA QNCNILLSRLKSNDBIKRAILTMDEQEDLPKMLKQLKFPVE KEDIDLLEKHREHLEMAKADRPLFEMSRINHYQRLQSLYFKK KFAERVAEVKPKVEATBSGSEBVFPSGALQLELVVLAFTYMN RGQRWAYGPKISSINKIADTKSSIDENITLILYLTITVENKYP SVLNLEBLRDIPOAAKVMMTLELKEISTLRSGLEKAVETKLEYQ KSQPPQPGDKFVSVVSQFTIVASFVSFSDVEDLLAKADLPTKAV KHFGKEAGIKQDEPPGIFDQFLQAVSEAKQENENMRKKEEKE KRARMBAQLKEQREPRKMRKAKENSERSGEEDDLVSALRSGEV PDRDLSKLKRNKRITNQMTSSRHRPITKIANP</p>
6018	21	2510	<p>TLSQSGGIRRRRRAVWFVVMNDFSRLEHMSPPQCVPEHTGYTY ALSSSYSSDALDPETEHLKDVFVDSFPMSSRLRLATTACTILGD GEAVGADSGTSSAVSLENRAARTTQRRSTNKSAPSLHVSQV TSSGVSYGGTVSLQDAVTRRPVLDSESWIREQTTVDHFWGLDDD GDLKGGNKAAIQGGDVGGAATGNGPFCSNOMLSERKDVLT AHPAAGPVSRVYSRDRNQKDDCKKRELDAPGRAGTLNHTN ACAGYFLQLLRRIGAVGQAVSRTANSALNLAVVAPGTAAGVP WNLGIGWYQFVTLISHLWVFLTRCLRNICKPLVLLIPLFLLLG LSLRGGQ\NFFSELPVLNWSMHRTORVDDPQVFKPTTSRLKQ PLQGDSEAPFWHNSGVBOQVASLSQCHHGENLRBLTTLQK LQARVDQMEGGACPSASVRDAVGQPPRETDFMAFHQREVRMS HLEDILGLREKSEAIQKLEQTKQRTISAVGEQLLPTVEHLQ ELDQLESELSSNRHVKTGCETVDAVOERVDVQVRENVKLFSED QGGSLBQLLQRPSSQFVSKGDLQTMRLDQLQLLRVTHVSV TEQLPTSEAVVSAVSEAGASQITBAQARAVNSALKLYSQDKTC MVDFALESQGGSLSTRCSETYETRIALMSLPGIPLWTFPSQSPR VVIQPDITYGNONAFKGSQGYLVVRLSMHHPAFTLEHIFPTL SPTGNISSAPKDFAVYGLSEYQREGLLQGYPTDQDGSLLQNF QALKRPDDTAFOIVELRIPSNNGHPEYTCLYRFRVGEPEVK TPNDRKPPQRPSSBRASHLAQETTSASLGDQTOILCSLTIA</p>
6019	2	1066	

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			PVITSAIRSMGIGISSQLTNAAGQVIGTLEWVNSASVAAPAPA QSLQVQAVTPQLLLNAGQVVIATLASSPLPPVAVRK\PSTPES LLKSEVQPIRPTPTVPQPAVVIASAPAAKPSASAPIPTCSET PTVSQVSRKHTPSLDEGDLNLEETREFAKFKIRRLSLGLTOT QVGOALTATGFPAYSQSAICRFEKLDITPKSAQKLEPVLERWLN EALRNQEGQNLNMFVGGEPSEKRRRTSPTQAIRALKAYFE KNPLPTGQBITETAKELNVDREVVRVWFENRRQTLKNTSKLVNF QIP
6020	4953	549	EAIQFEVSIIGNYGNKFDITCKPLASTTQYSRAVFDGNYTYLPLW AHTKPVVTLTSYWEDISHRLDAVNTLLAMAKLQTNIEALSGI QGIIPANQLAELNLKLIIDEVIEDTRYTLPLTEGRANVTVLDTQI RLKRSRSLSQIHEAAVEMRSEATDVKSTLARIEDWLDKLMQLTE EPQNSMPDIIIMIRGERRLAYARIPAHQVLYSTSGENASGKYC GKTQTIPLKYPQRENGPKVPVELRVNIWGLSAVEKKFNSFAR GTPVFAEMYRQALMPGKGTSGLVGRHKPSDVTGKIKLKREFF FLPPKGWENEGRWIVDPERSLLTRADAGHTFTDEVTQNSRYR GGDWKPAEDITYDANGDKAASPSELTCTPGWENEDDANSYDINR AVDEKGWYEGITIPDHKPKSWVAERKMYTHRRRLVRRKKD LTQTASSTAGAMELQDQEGWYASLIGWEPHMKQSSDTFRRR RNRKMAPSETHCAAAI FLEGALGADTTEDGDEKSLERQKHA TTVFGANTPIVSCNFDRIYIHLRCYVYQARNLLALDKDSFSDP YAHICFLERSKTIETIISTLNPTWDTIIFDEVTYGEPTVLQ NPKVIMELFDNDQVGDKEFLGRSIFSPVVKLNSMDITPKLLW HPVMNGDKACGDVLVTAELILRGKDGSNLPILPQRAPELVMVP QGIRPVVQLTAETILANGLRNKNFQMASITSPSLVVECGGRV ESVVIKNLKTNPFPSSVLFMKVFLPKRELMPPLVIVKVIDHRQ FGRKPVVGCCTIERLDPRCDPYAGKEDIVPOLKASLISAPPCR DIVIEMEDTEPLASKCLSSMTALSKMASPATVHLTEKKRIV DWSKPYASSGHEKCGQYIQKGYSKLCTYNCELENVAFEGLT DPSDTPKLYRGKSGDNEZPSVGRPKGSFRIYPLPDDPSVPAPP RQPRELPDSVPQECTVRIYIVRGLKLPQDENGCDPYIKITLG KGVIE\DRDHYIPNTLNPFVGRMYELSCYLPOKEDLKSIVDYD TPTREKVGSTIIDLENPP\LSRPG\SHCG\IPEEYCVSGVNTW RDSLR\PTQ\LLQNVARFEGFPQPILSHDSRIYTCGRDYSIDB PEANKILHQHIGAPERLALHILRTQGLVPRVETRTLHSTFPQ NLS\RYLRLVIWNTDVLDRKSI TGRMSDITVEGHI PGNEE NKQRTDVHYRSLDGBGNFNRFPVFPDYLPARQLCTIVAKKEHPW SIDQTESRIPPR\LI IQIN\DRDKPS\LDVYLGFPRTLTCERTI HFLQESPGGNC\RGIDMI PDLEKAMNPLKAKTASLPEQSMGHW PCYARKDGARVMAGKVENTLEILNREKADERPAGKGRDEPNMNP KLDLENRPETSPFNPTNPKTKPTVWRFPKVIIGLLFLILLL LFVAVILLYBLFNYSMKIVKPNV
6021	4953	549	EAIQFEVSIIGNYGNKFDITCKPLASTTQYSRAVFDGNYTYLPLW AHTKPVVTLTSYWEDISHRLDAVNTLLAMAKLQTNIEALSGI QGIIPANQLAELNLKLIIDEVIEDTRYTLPLTEGRANVTVLDTQI RLKRSRSLSQIHEAAVEMRSEATDVKSTLARIEDWLDKLMQLTE EPQNSMPDIIIMIRGERRLAYARIPAHQVLYSTSGENASGKYC GKTQTIPLKYPQRENGPKVPVELRVNIWGLSAVEKKFNSFAR GTPVFAEMYRQALMPGKGTSGLVGRHKPSDVTGKIKLKREFF FLPPKGWENEGRWIVDPERSLLTRADAGHTFTDEVTQNSRYR GGDWKPAEDITYDANGDKAASPSELTCTPGWENEDDANSYDINR AVDEKGWYEGITIPDHKPKSWVAERKMYTHRRRLVRRKKD LTQTASSTAGAMELQDQEGWYASLIGWEPHMKQSSDTFRRR RNRKMAPSETHCAAAI FLEGALGADTTEDGDEKSLERQKHA TTVFGANTPIVSCNFDRIYIHLRCYVYQARNLLALDKDSFSDP YAHICFLERSKTIETIISTLNPTWDTIIFDEVTYGEPTVLQ NPKVIMELFDNDQVGDKEFLGRSIFSPVVKLNSMDITPKLLW HPVMNGDKACGDVLVTAELILRGKDGSNLPILPQRAPELVMVP QGIRPVVQLTAETILANGLRNKNFQMASITSPSLVVECGGRV ESVVIKNLKTNPFPSSVLFMKVFLPKRELMPPLVIVKVIDHRQ FGRKPVVGCCTIERLDPRCDPYAGKEDIVPOLKASLISAPPCR

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			<p>DIVIEEDTKPLASKCLSSMSTALSKMASPATVHLTEKERRIV DWSKPYASSGSEHRECGQYIQKGYSLKIYNCELENVAREZGLT DPSDTFLYRGKSDENEDPSVVGEPFGSFRITPLPDDPSVPAPP RQFRELPSVPOECTVRIYIVRGLELPQDNGCLDPYIKITLG KKVIE\DRDHYLPFTLNFVFGMYELSCYLPQEKDLKISVYDYD TFTRDEKVGETIIDLEWFF\LSRFG\SHCG\IPERTCVSGVNTW RDSLR\PTQ\LLQNVARFPGFPQPILEDGSSRIYCGRDYSLDE FEANKILHQHLGAPERRALAHILATQGLVPEHVBTRTLHSTPQP NIS\RYTLRVIWNTKDVILDEKSIIGGEEMSDIYVKGWIPGNEE NQKTDVHYRSLDGEENFNWRFVFPDYLPABQLCIVAKKEHFW SIDQTEFRIPPR\LIQIW\DNKPS\LDYLGFPRTLTCRHTI HFLQKSPGGNC/RGLDMIPLKAMNPLEKATASLFEQKSMKGWW PCYAREDGARVMAGKVENITLILNEKEADERPAGKGRDEPNMNP KLDLPNRPETSYLWTFNPKTKPIVWRRPKWVIIGLLPLLLLL LFVAVLLYSLPNYLSMKIVKPV</p>
6022	4953	549	<p>EAIQFEVSIGNYGNKPDITCKPLASTTOYSHAVPDGNYYYLFW AHTKPVVTLTSYWDISERLDVMTLLAMARRIQTNIRALKSGI QKGI PANQLAELWKLIDEVIEDTATYTLPLTEKANVTVLDTQI RKLRSRSLSQIHEAAVENRSEATOVKSTLARTEDWLDKLMQLE EPQNSMPDI I IWMIRGEKRLAYARI PAHQVLYSTSGENASGKYC GRQTILFLKYPOKRENGPKVPVELEVINLGLSAVEKQFNSPAB GTFPTVPAEMYNQALMPGKMGSTGLVGEHKPSDVTGKIKLKEEF FLPPKGEWENGEWIVDPERSLLTEADAGHTFTDEVYQNESRYP GGDWKPAEDTITDAGDGAASPSLTCPPGMEWEDDANSYDINR AVDERGMEYGITIPDHEKPKSWAAEKMYTHRRRLVRERKZO LTQTASSTAGAMEELQDQEGWEYASLIGWKPHWKQRSSDTFRRR RWRREMAPSETEGAAAI FELEGALGADTTEDGUBKLEKQKHA TTVFGANTPIVSCNFDRTDYIYHLRCYVYQARNLLALDKDSFSDP YAHICPLHRSKTRIESTLNFETDQTIIFDEVEIYGEPTVLQ NPPKVIIMELFDNDQVGKDEFLGRSIFSPVVKLSEMDITPKLLW HPVMNGDKACGDVLTALILLEGKGSNLPILPPQRAFNLYMVP QGRFPVQLTALIRILAWGLENNMNFQASITSPSLVECGGERV ESVVIENLAKTPEFPSSVLPMKVPFLPKEELMPPPLVIRVIDHRQ VGRKFPVVGQCTIERLDPRCDPYAGKEDIUPOLEASLLSAPPCR DIVIEEDTKPLASKCLSSMSTALSKMASPATVHLTEKERRIV DWSKPYASSGSEHRECGQYIQKGYSLKIYNCELENVAREZGLT DPSDTFLYRGKSDENEDPSVVGEPFGSFRITPLPDDPSVPAPP RQFRELPSVPOECTVRIYIVRGLELPQDNGCLDPYIKITLG KKVIE\DRDHYLPFTLNFVFGMYELSCYLPQEKDLKISVYDYD TFTRDEKVGETIIDLEWFF\LSRFG\SHCG\IPERTCVSGVNTW RDSLR\PTQ\LLQNVARFPGFPQPILEDGSSRIYCGRDYSLDE FEANKILHQHLGAPERRALAHILATQGLVPEHVBTRTLHSTPQP NIS\RYTLRVIWNTKDVILDEKSIIGGEEMSDIYVKGWIPGNEE NQKTDVHYRSLDGEENFNWRFVFPDYLPABQLCIVAKKEHFW SIDQTEFRIPPR\LIQIW\DNKPS\LDYLGFPRTLTCRHTI HFLQKSPGGNC/RGLDMIPLKAMNPLEKATASLFEQKSMKGWW PCYAREDGARVMAGKVENITLILNEKEADERPAGKGRDEPNMNP KLDLPNRPETSYLWTFNPKTKPIVWRRPKWVIIGLLPLLLLL LFVAVLLYSLPNYLSMKIVKPV</p>
6023	302	916	<p>SQELGKVFYIANNLLTTPDRAEQGLTLLCAATDGSFLVHHFL SFYLKANCVCVVALIQSPSHYSIVGQKLGVSILMARERGQLVF LEGL/IVCSGR\VFQAQKEPHLPQFLREANAGNLKPLFEVREA LKPVDSGEARMITYPVLVDDLSVLLSLGNGAVAVLDFIHYCRAT VCWELKGMVVLVHDSGDARDEKNDILLNGLSHQSHLILBAEGL ATGFCRDVHGQLRILWRRPSQPAVHRDQSFTYQYKIQDKSVSFF AKGMSPAVL</p>
6024	3	3260	<p>FLSPFLCYPRFCLFCLQFAIPASRMELNLELLMEKSPWERAB LPABLFQKVVASFPRTVLTSGMDHYLVAVBTVQNKGNCRK RLVITASQSLNRELCLRNWDCSVVPEPEDIHLBGDCSTDTW XIDKDPGYLILYPMQLISGTSIASSIRCMRAVLSSTPSSDPA TRQMLIGTVLHEVFQKALNNSPAFKLOKELAFQTIQIRHLKEM</p>

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			YRLNLSQDEIKQEVEDYLFSCNAGOFMHRNTSTDFPQMQLSL PSDNRKDNSTCNIEVVXPMIDIESIWSRPFGLGKIDVTUGVKI HRGYKTRYKIMPLKLTGKESWSIEHSQVVLVTLSSQKRRADP EAGLLLYLTGQMYFPVANHLDRELLKLENQMAFSLFHRISKS ATROKTQLASLPQIIEKATCKYCSQYGNALYERAVEQQMDCS SVPIVMLPKITEKQRLKQTHLEYPSLWCLMTLESQSKDKRN RQNTWLMFASSEMEEKSGSCIGNLIRMEHVRIVCDGOYLENPOCKH GAIPVINIMAGDRVIVSGEERSLPALSRYVKEINMTTVCILLD RNLVLPSTLPRLDQREKNCIDITPLGNLSKLMNTFVSKLLR DLIIDPREPOFLSYLSSVLPEDAKDTVACILGKLNKPORQAMKK VLLSKDYTLIVGMPGTGKTTTCTLVRLLYACQPSVLLTSYTHS AVDNTILLKLAQKIGFLRSR\QIQKHPAIQQTERRICRSKSI KS\LALLEELYTSQIDATTGCHNHPIFSRKLDFPCIVDRASQ ISQPICLGLPFFSRPVLVGDHQQLPPLVLRERARALGMSSELP ERLEQNKSAVVQTLVQYRMSKIMSLNKLTYEGKLECGSDKVA NAVINLREHFDVKLELHFTADYSNPNLMGVFBPNPVCPLNTD KVPAPQVSRGGVSNVTEAKLIVFLTSIFVINGCSPSDIGIAP YRQQLKIINDLLARSIGMVEVHTVDKYQD\RDKSIVLVSPVRSN KGTVGEKLLKDWRRINVAITRAKHLILLGCVPSLNCTPPLEKL LNHLNSELKLIIDLPSEHRSILCHILGDFQRR
6025	3977	89	GGPPAQSDHLPVFPVLRSDLLTMTSLVSPHPDAPPSLRALLA ARYGEAGEGPGWGAHPRICLPPTSTRTSPFPRLPALBQGGG GLHWVGATAVAQLLWPAIGGGPGGSRRAVLVQGVSTADTLIP AACGATLPAIGLRSSAQDPQAVIGALGRAISFLREWLRLHTYLA GRAPTADLAAVTALLLPFYVLDPPARRIMNVTRWPTCVRRQ FEFRAVLGEVVLVSGARPLSHQPGPEAPALPTAAQLKKEAKKR EKLEKPOQKQKIQQQQPPGEEKPKPEKREKRDPGVITYDLPTP PGEKDVSGMPDSYSPRYVRAANTFWNEQGGPFKPEYGRPNVS AANPRGVFMNCIPPNVTVGSLHLGHALTNAIQDSLTRWHRMRGE TTLWNPGCDHAGIATQVVVEKKLWREQGLSRHQLRBAFLQEVW KWKBEKGDRIYHQLKGLGSSLDWRACPTMDPKLSAAVTRAPVR LHEBGIITYRSTRLVNWSCTLNSAISLIDVDDKBLTGRTLLSVPG YREKVPFGVLSPAYKVGQSDSDERVVVATRIETMLGDVAVAU HPKOTRYQHLGKENVIHPLSRSLPVPDEFVDMDFGTGAVKIT PAHDQNDYEVGQRGLRAISIMDSRGALINVFPPLGLPFEAR KAVLVAKKEBGLFPGIEDNPMVPLNRSKDVREPLRPQMYVR CGEQAQAASAAVTRGDLRLPERHQTNRHARMNIRE\WCMPPG KLWNG\HR\IPATVTVSDPAVPPGEDPDGRYVNSGRNEABARE KMAKEPGVSFDKISIQQDEEDVLDTNFSSGLFPLSILGNPQSED LSVFYPTOTLETCHDILFPWARMVMGLKLTGRLPFRVYLHA IVRDAHGRKMSKSLGRVIDPLDVTYGISIQGLRNQLNSNLDPS EVEKAKEGQKADFPAGIPECGTDALRPGLCAYMSQGRDINDVN RIIGYRHPCNKLWNAKFALEGLGRQFVPSPTSQPGHESLVDR WTRSRLTEAVRLSNQGFQAYDFPAVTTAQYSFWLYKLCVYLEC LKPVLNGVDQVAARCAQTLTYTCLDVGRLLSPPMPFVTEHLFQ RLPRRMQAPPSLCVTPYFPSECSMKDPEABALELALSITRA VRP\LRADYNLHFPESGPTCFLEVAD\BATGALASAVSGYVQGGP QAQVVVAVAEPWGLPAP\QCGAVALASDRCSI\HLQLOG\LLDP ARELG\KLQ\AKRVEAQ\ROAQ\RLR\ERRA\ASGNPVKVPL\Z VQEADEAKLQQTAEARKVDRALALFQKML
5026	2674	514	GPITFLKKAAMKMPLEIRIBVLLGLATTLVQAVDKKVDCEPLC TCETRPWFTPRSIYNEASTVDCNDLGLLTFPRLPANTQIILLQ TNTIAKIEYSTDFPVNLGDLSCNLSVSTVNINGKMPQLLSV YLEENKLTPEKCLSELSLQELYTINENLLSTISPGAFIGLHN LLRLHINSNBLQMINSKNFOALPNLEILMIGENPIIRIKDMNPK PLINLSLVLAGINLTIPDNALVGLNLESISFYENRLIRVPR VALQKVVNLKFLDLNKNPDIRIRRGDFSNMLHLKELGINNMPEL ISIDSLAVDELPLRKRITATNPNRSLYTHPAPFRPKLESIML NSHALSALYHGTIESLPNLEISISHSNIRCDCTVWMMNKTN IRFMEDSLFCVDPPEPQGNWRQVHPRDNMBICLPLIAPESFP SNLNVAGSYVSFHCRTA\BQPHIYHITPSQKLLPNT\LTID

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			KFTVHSEGTLDINGVTPKEGGLYTCIATNLVGADLKSVMIKVDG SFPQDNNGSLNIEIRDIQANSVLVSWKASSKILKSSVKWTA PVK TENSRAAQ SARIPSDVKVYNLTNLNPSTYKICIDIPITYQKNR XRCVNVITKGLHPDQKEYKKNNTTLACLGILLGIIGVICLIS CLSPMNCDOGHSYVRNYLQKPTFALGELYPPFLINLAZAGKEKS TSLKVKATVIGLPTNMS
6027	5254	4148	GRRAPGRPGRSYKDEEBETVPREVVSPSPDPLFVRYDQTKK PISFYLSELELLAWKPRLEDGPNVALEPLACROPPLSSQRPPT LICHDMGGYLDORFIQGSVVQTPYAFYHQCIDVFPVPSRTV TIPPVGWINTAHRHGVCLGTFTTEKNEGGRLCRAFLAGDERSY QAVADRLVQIT\RFPRFDGWLINTENSLSLAAVGNMPPFLRYLT TQLHRQVPGGLVLWYDSVVQSGQLKQDELQNHNVFPDSCDGP PTNYKREBHELEMLGQAGEBRADVVGVDVFAHGVVGRFDT DKVGGGPRPRAGFPVPLGPHFLMDLPFPAPQKNDSSCSCSQSG DPVALNRNCPAPAKLCPH
6028	120	3432	NCLLQAKGPHGHTEDLQOMLTDTEHLLASKPLGGLPRTAKEQ LWVMEVCAPFAKEETKSLNQKQOMLACRPSASTNIDQDI NHLKKEKMSVETKLNRR\KT\KLEALNLA\MSFHSN\QDPID RLTOAEQTLNVAASRPSLILDTVLPOIDEBKVPANFVNSHREQII ELDCTGTBLKYFSQKQDVVLKLLLSVQSRNEKVQRLVERGR SLDDARKRAKQFHRAWSKLMHWLESEKSLDSELEIANDPDKIK TQLAQHKEFPQKSLGAKHSVYDTNRTGRSLKEKTSLADNKLID DMLSELKDKNDTICGEBVERQKLELA\LLFSGQFTDALQALID WLYRVEPQLARDQPVHGDIDLVMBLIDNHKAPQELGKRTSSVQ ALKRSARHLIEGSRDDSSWVKVQVQELSTRWETVCALSISKQTR LEALALQAEFHSVVHALLLEWLAERQTLRFHGVLPDDDALRT LIDQHKFPMKLEKRAELNKAITMSDVLAI CHPDSITTIKHW ITIRARFEVLA MAKQHQQRLASALAGLIAQELLEALLAMLQ WAE\TLTDKKEVTPQBIIEVKALIAEHQTFNEMTRQEPDVK VTKYKRAADPSSLOSHIPVLDKGRAGRKRFPASSLYPSGSOT QIETKNPRVNLVSKMQQVWLLALERKKLNDALDRLEELREPA NFDPIWRKKYMRMNHKKSRVMDFFRIDEDQDKLTROEPID GILSSKFFTSRLMSAVADIFDRDGDGYIDYRFVAALEPNKDA YKPI TDADKIEDEVTRQVAKCKAKRQVNRQIGENKYPPLGNQ PGDSQQLRLVRLISTVMVVGCGWALDEFLVKNDCPCKAGRT NMBLAKKFLADGASQGNAAFPDGRSRSPSSRGASPNRSTVS SQAQAASPPVPATTTPKLIHLPLTRNYGKFWLTSKMSPTCKAA ECSDFFVPSABGTPIQGSKLRLPGYLSGKGFHSGEDSGLITTTAA ARVRTQPADSKKTPSRPQSRAGSKAGSRASSERGSASDFDISE IQSVCSDEVETVPQTHRPTPRAGSRPSTAKPSKIPTPORKSPASK LQKSSER
5025	1	3533	IMPQSSRLRGCCWTHFNRPVSDLSYFDCIESVMENSKVLGESH AGISQNAKTGDLPAFGBCVGIASKALCGLTEAAAQAAYLVGIFD PNSQAGHGLVDP IQFARANQAIQMACQNLVDPSSSPSQVLSAA TIVARHTSALCNACRIASSRTANFVAKRHPVQSAKEVANSTANL VKTIKALDGDPSRDNKNCRIATAPLEAVENLTAFASNPFPVS IFMQISSEGSQAQEPILVSAPMLESSESYLIRTASLAINDEDP PTWSVLGHSHSTVSDS IKS LITS IRDKAPQRECDYSIDGTNRC IRDIHQASLAASVQSLATRDDISVEALQEQLTSSVQBIHGLIDP IATAARGEAAQLGKGTQLASYFEPLILAAVGVASKILDBQQOM TVLDQTKTLAESALQMLYAAKEGGGNPKAQHTHDATTEAQLAK EAVDDIMVTLNEAASEVGLVGGHVDALAEAMSKLDEGTPPEPEG TFVDYQTTVVKYSKALAVTAQEMTKSVTNPEELGGLASQMTSD YGHAFQCGMAAATAEPKIGFPQIRTRVQDLGHGCI FLVQKAG\ ALQVCPTDSYTERHLIECARAVTEKVSLLSALQAGNKGTOACI TAATAVSGIIADLDTIMFATAGTAAENSETFADHERENTLTKTA KALVEDTELLVSGAASPPDLAQAQAQSSAATITQLAEVVLGAA SLGSDDPETQVVLINAIKDAKALSILISATKGAASEPVDDPSM YQLKCAKVMVINTVTSLLKTVKAVEDEATRGTRALBATIECIKQ BLTVFQSKDVPRTSSPESIRMTKGITMATAKAVAGNSCRQB DVIATANLSRAVSEMLTACKQASPHEDVSDVETRALRPGTEC

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			<p>TLAGYLDLLEBVLVTLQKPTPELEQQLAAPS KRVAGAVTELTQAA EAMKGTENVDPEPTVIAETELLGAAAS IEAAAKLEBQLKPRAK PKQADETLDFEEQILEAAKSIAAATSALVKSASAPQRELVAQGK VGSIPANAADDGQWSQGLISAARMVAATSSLCEAANASVQGH SEKELISSAKVAASTAQLLVACKVKADQSEAMEELQACNAV KRASDELVRAAQKAAFGKADDDVVVKTFVGGIAQILAAQSEN LTKERELEEARKKLAQIQQQQYKLPFTLEDEG</p>
6030	3	1777	<p>FPGRGSPALQLEVLICGLMGLERLALNVLAPIFYENIVNLTEN APWNSLAWTVTSYVFLNKLQGGGTGSGFVSNLRTPFLWIKVQFP TSRRVELLIPSHLHLSLRWHLGRRTGVEVLRADRGTSSTVGLL SYLVFNVIPTLADIIIGIIYFSMFFNANFGLIVPLCMSLYLTLT IVVTEWRTKPRAMTQENATRARAVDSLLNFTVKYNYAKSYE VERYREAIKYQGLEWKSASLVLLNQTNLVIGLGLAGSLLC AYFVTEQLQVGDYVLPGTYYIQLYMLNWFGTYYRNIQTNPFO MEMFDLLKK\ZTEVKDLPGAGPFRFQKGRIBFENVHFSYADGR ETLQDVSPFVMPGQTLALVGPSPGAGKSTILRLLPPTYDISGCI RIDGQDISQVTOALPRFSHWELCPKDTVLNFTIADFIKGRVT AGHDEVEAAQAAGIHDAMAFPEGYRTQVGERGLKISGGKOR VAIARTILEAPGIIIDLEATSALDTSNERAIQASLAKVCANETT IVVAHRLSTVNVADQILVIKDGCTVERGERHALLSRGGVYADMW OLQGQRETS EDTKPTQMER</p>
6031	160	1694	<p>LEMSNLDKSNVNEAGSKSNDSEGLEDAVEGADRALQKATES DSSSPQVQVORPHSSPFRFVTEBELLESTARGVTOMALAEIVVNG DFQIKPVELPENSLLKRVKRIVKAFFWDCLSVQSEDPFAYDHA IKLVGEIKETLLSFLPGHTRLRNQITVLDLDLIRQRAENGAL DISKLAFTIGMGTLCAPARDEEVKLLNDIKEIVPLFREIFSV LDLMKVDMANFAISSIRPHMQQSVEYERKKFQBIERQPNSLD FVTQWLEERASEDLMTQKYKHALPVGCMAGSGDMPRLSPVAVQN YAYLKLLKWDHLQRPPEPTVLMDSQRFHELQLO\REQLTILGAV LLVTFPMARPGISSQADFAEKLKMIIVKILLTDMHLPSPHLKDV TTIGEKVCLVSSCLSLGSSFPFTDKBTVLKGQIQAVASPDPP IRRMBSRLTFLFTYLAGHQKFLPTVFGOLSPVQRELEBVAI KFARLVNKNMVFPCPYDAILSKILVRS</p>
6032	39	2415	<p>AARLCRAQPTKSAMNIRDLSEKMPQTRHPAPHPQAQPPKFTISE SCDRIKEEPQFLQAQYHSLKLECEKLAASEKTEMQRHYVMYEMS YGLNIEMHQABIVKRLNAICAQVIPFLSQEHQQQVQVQVERAK QVTMAELNAIIGQQQLQAQHLSHGHGLPVPLTPHPSGLQPPAIP PIGSSAGLLALSSALGCGSHLPIDKDKKHHDNDHQDRDSIKSS SVSPSASPRGAEKHNSADYSSESSEKQKTEKKEIAARYDSGEEK SDDNLVVDVSNEDPSSPRGSPAHSPRENGLDKTRLLKKDAPISP ASIASSSSTPSSSKSLSLNEKSTTPVSKSNTPPTPTDAPTGS NSTPGLRFPVPGKPPGVDPPLASSLRTPMAVPCPYPTFPPTVPHAG MNGELTSPGAYAGLHNISPMASAAAAAAYGRSPVVGFD PHEHMRVPAIPNLTGIPGCKPAYSFHVSADGQMPVPPPDAL IGPGIPRHAQINTLNHGEVCAVTISNPTRHVYTGKGCVKVW DLSHPCKEFPVSLDCLANDNYIRSCRLLPDORTLTIVGEASTL SIWDLAAPTPIKARLTSSAPACYALAI8PDSKVCPSCCSDGNI AVWDLHNQTLVRQFGHTDGASCIDISNDGTLMTGGLDNTVRS W\DLREGRQLQHD/FPTSPVPSLGYCP\TSEMLAVGMENSN/V EVLHVTEPDKYQLHLHSCVLSLKFAHCKWPFVSTGKDNLLNA W\RTPYG\ASIP\QSKSSS\VLSCDI\SVDDKYIVTGS\CDK\ RATVVEYIY</p>
6033	39	2415	<p>AARLCRAQPTKSAMNIRDLSEKMPQTRHPAPHPQAQPPKFTISE SCDRIKEEPQFLQAQYHSLKLECEKLAASEKTEMQRHYVMYEMS YGLNIEMHQABIVKRLNAICAQVIPFLSQEHQQQVQVQVERAK QVTMAELNAIIGQQQLQAQHLSHGHGLPVPLTPHPSGLQPPAIP PIGSSAGLLALSSALGCGSHLPIDKDKKHHDNDHQDRDSIKSS SVSPSASPRGAEKHNSADYSSESSEKQKTEKKEIAARYDSGEEK SDDNLVVDVSNEDPSSPRGSPAHSPRENGLDKTRLLKKDAPISP ASIASSSSTPSSSKSLSLNEKSTTPVSKSNTPPTPTDAPTGS NSTPGLRFPVPGKPPGVDPPLASSLRTPMAVPCPYPTFPPTVPHAG</p>

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			<p>MNGELTSPGAAYAGLHNTSPMSAAAAAAYGRSPVVGFD PHHMEVPAIPPLTGIPGGKPAYSFHVSAIQNQPVFPFDAL IGPGIPRHRQINTIANHGEVVCVITISNPTRHVYTGGKGVKVN DISHPGNKEFVSQADCLNDRNYIRSCRLLPDGRTLIVGGRASTL SIWDLAAPTPIKALTSAPACYALALSPDKVCPSCCSGNI AVWDLNQTIVRQFGHDTGASCIDISNDGTLMTTGLDNTVRS W/DLEEGRLQQRD/FETSPVPSLGYCP/TBWLAVGMENH/V EVLHVTKPKYQLHESCVLSLKPACGKWP/VSTGKDNLIANA W/RTPYG/ASIP/QSKSSS/VLSCDI/SVDKXIVTGS/GDK/ EATVYRVY</p>
6034	2683	714	<p>ESRRRLKRRRSPCTGTAGGPGETNFGPCACPRGPRRRAAAM EIAQORAPPVPGADGDIREAPAEAGSPSPASPPADGRLKAAARR VTFFSDEIVSGAVEPKDPRHAQNVTVDEVIGAYEQACQKLC EQIPKLLRQLQEPDGLHRLDCLDLKGERLDYKTCBALBEVFER LQPKVDLEQTNLDGASALFDMIEYYESATHLNI SPNKHIGT RGWQAAAHMRTSCLOYL/DARNTFLDHSAPFVARALRIRSS LAVILHNASLSGRPLMLLATALONNOLREYL/ADNKLNGLO DSAQIGMLLKPCNSLQITLDRNNHVLOSGLAYICRGLKQRKGL VTL/VLWDFQLTHGMAFLGNTLPHQTSLDTLNLGHNPIGNBVG BHLKNGLLSRSVLRGLASTHLTCGAVAVAEPTAESPLRLRL DLRENEIKTGGLMALSIALKVMHSLRLDLDRPREKRAVKSFLR TQKALLAETQNGCKRNLVLAREREKKBQPPQLSAMPETTATBP QPDDEPAAGVQKCAPSPAPSPDSDSDSGDGEREREGERDET PSGAIDRTDGSSEPPPPPPPSGPPPLPGLKPKFALALPPEP PPGPEVEGGSCGLEHLSCKNKEKLEELLLEASQESGOETL</p>
6035	19	404	<p>SVTYLGIILHRTGTALPADPVQLISQTPFTSKQLLSFLGMVG YFTLNIIPGFAITKPLCKLTRENLAIDPKSPSHSSPRLKTA LENASTLALPDSSQPF/SLPTARVQCQVVEILTQGLGLPV</p>
6036	1745	356	<p>LPDVEKIGRRGRKMDSVKGAATSVSNRGRPSRGRPPKIQRN SRGGQGRGVKPPHLAALI LARGGSGKIPKNIKHLGVPLIGN VLRAALOSGAFQSVWVSTDDHEIENVARQFGAQVHRSSSEVSKD SSTSLDAIIRFLNYHNEVDIVGNIQATSPCLHPTDLQVAEMIR REGYDSVFSVRRHQFRWSEIQROVREVEPLNLPAPKRPQRD WDGELYNGSPYFAKRLHLEMYLQGGKRMAYTEHRAHSVDIDV DIDWPLAEQVLERYGYGKRLKELILVLCNIDGCLTNGHYVS GDQKBIISYDVKDAIGISLLKSGIEVRLISERACSRQTLSSLK LDCIMEVSVSKLAVVDENRKMGLCWKRVATLGNEVSDDECLK RVGLSGAPADACSTAQKAVGYICKNGGGA/IRBFABHIC/L MERGLINEMPRNENLAVNIGERK</p>
6037	2936	1919	<p>WTSWMMSSVLTILLFSLQGNHMLNYSAPSAGGYLLPRKPVGTFA GGGPPRRHSVTLPSSEKPRQNLSSSLKGEPAALSSRDSRPRDR SPSEGGERLLPTQKPGCGQVNSRYKT/ELCRPFEEMGACKYG DRQQFANGIHLRLSLTRHPKYKTLCRTFTHTIGPCPYGPRCHFI HNARERRALAGARDLSADRPRLOHSPSPAGFPSSAAATAATGLL DSPTSITPPPIISADDLLOSPTLPDGTNNPP/APSSQELASLPA PSMGLPGGSPPTTLPFRMSES PHMPDPPSPQDLSLSDQEGYLS SSSSSHSGSDSPTLONSRLLPIFSRLSISDD</p>
6038	1450	426	<p>SSALQEFGRNHTFGVPLPHRRKQIISCNTOQLRPNSSDQAAAH YKGTKHAKKLKALEAMKQKSVTAKDSARTTPTSITNTINTS SDKTGTAGTAPAISTTTTVEIRKSSVMITEITSKVERSPITTATG NSSCPSTETREBKARLL/YCSLCKVAVNBASQLEAHNSGTGKH TMLEARNSGTIKAPPRAGVKGKGPVNGNIGLQNKTFHCBICD VHVNSETQLKQHLSSRRHDBAAGKPKPKYSPYKQLQKTAHPL GVKLVPSEKPKPLAPRILNPLAAAAAANA VSSPFLRTAP AATLFOALSAPALLPAPGPRTAHTPVLPFAY</p>
6039	4073	1000	<p>LDEYHARLTLANDDPEEDNEDDENRVNQEKAAKITEINKL NFLDEARKDLATVNSNPFDDPDAELNPFDPDSEEPITETASP RKTEDSPYNSYNPFKEVQTPQYLNPFDRPEAFVTIKDSPPOST KKKNI R PVDMSKYLYADSSRTEBBLDESNPFYEPKSTPPFNIL VNPVQSELETERRERKAPAPPVLSPKTGVLNENTVSAGKDLSTS</p>

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			PKPSPIPSFVLGRKPNASQSLVNCREVTNRYGVKLTNFTTSW RNGLSFCAILHHRFPDLIDYKSLNPDIDKENNKAYDGFASIGI SRLLSPSDMVLAIAPDKLTVMITYLQIRAHFSGQELVVQIREN SSKSTYKVGNYETDTHSSVDQKPYAELSDLKREPELQQPISGA VDFLSQDDSVFVNDSGVGRSESEHTPDHLSPTASPYCRRTK SDTEPQESQSSGRTSGSDPGICSTSTSTQAQVLLGKKRLLKA BTLELSDLYVSDKKKDMSPFFICEETDEQKIQTLDIGSNLEKEX LENSRSLRCRSDPSPPIKRTSLSPSTKLGYSYSRDLDAKCKHA SLRQTESDPDADRTTLNHAHSSKIVQHRLLSRQELKRRARVL LEQARRDAALKAGNKHNTAAPPCHNQLSDQDQZERRRQLRRR ARQLIAEARSQGRMSLPYGERAAELKRRSKASGDENNTIBI DTNREIPEGFVVGDELINLENDLDTFBQNSKLVDLKLLLS VQPVANSPSSAAQKAVTESSEQDMKSGTDLRTERLQKTERP KFPVVPSEDTVRKIQLSQSYIENAFMKRQRSIQEDTKGKN EKKAAITETQKPSSEDEVLNKGFDSSQYVVGELAALEKQKO IDYRAALVEXRIRIAMDGTGRNTEEEKAMQEWPMVNRKRALIR RPNQLSLLEKEDLERRYTELLNRELAMLAIEDNQKTRAQKRRR QLLLDEVALVNRDALVRDIJQKQKQARRDEHLERTLEQNRG KMAKKKKCVLO
6040	475	1052	PTALMTAPSCAFVQVQPSVEGLSQITKELYISNGVAANNKLM LSSNQITMVINVSVEVNTLYEDIQTMQVVPVADSPHSLCDFPD PIADHIESVMEQGR/TLLHCAAGVSRSAALCLAYLMKYHAMSL LDAHTWTRSCRPIIRPNSGFNEQLIHTFQLFGKNTVHMVSSPV GMIPDIYEKEVRLMPL
6041	2	3886	TERDEKTAHNLENVLIHFWRLESEICVAKLSRPEADVESVLGVS NLLGVLPKPSGLKSSKEKNGKVRPADEILSNKENEKCVSSBG EKIRCWELTTEPSLTHNSGLLSPLEKPLEDLVCKLADISINY VNERKSEQLRFLSTLLDSPSSSRVPMLLGDEKQSIQAKPLE IARLVQENPAVQFLYQKLGWLNEDQKDPGFLVDILYSALRCC DNDMERKVLDDLTQVLDKWNLSLKIIEKACPSSDKHALVTPWL KGDILGEKLVNADCLQNEDESRSVSSSHFSRRTLLSLVLSQ HYKNDYLIQDVYVERITVRLEHETLFRTKLSRASSDSSVSFIC DVAYNYFSSANGCLIMPSSBOLLTLFOLCAQSKKTHLPDLI CKLNTWLSGVMLLVHQIDSYKSTPLHLSALWLENQVQASSL DINSLOVLLSAVDLLATLLESBDYLMGVYIGSVMPNDSEWBK MRQSLPMQWLRPLLEGRLSLNTCEPKTDPKQODIETLPSHLCT SALLSKMVLIALRKETVLNHELEKTIARLLYSLOWCEBLNPP XFLIGPCEILQKMNITYDNLRLVLAQMSGLLQLLFNRSRREHTLW SLIIAKLILSRSSISSEVKPHYKRRSSPPLTBGNLBTIQSLCP FLSKKKKESFAQCIIPALLGNTKKDLCTNGGPGHLAIPNSCLQ TKSIDDGRLLHGILKIIISNKKKEDIFLPSCNLSBASPEVLGV NIBIIRFLSLFLKYCSSPLASBENDFIMCSMLAWLBTTSNQAL YSIPLVQLFACVSCDILACDLSAPPDSTTLDTIGNLPVNLISEWK RFPSSQIHSLLLPILVTVTGENKDVSETSPQNAMLKPMCBTLY ISKEQLLSHELPARLVADQKTNLPEYLOTLLNTLAPLLFRARP VQIAVYHMLYKLPPELPQYDQDLKSYGDEKKEEPALSPPAALMS LLSIQEDLLENVLGCIIPVGQIVTIKPLSEDFCTVLGYLLTWKLI LTPFKAASSQLRALYENYLRKTSLNKLLYHLPLMPENPTYAR TAVEVPNKDPKTPPEELQLSIRETMLPYHIFHLACSVYHMTL KOLPAMVRLWNSSERKRVNIVDRFTSKYVSSVLSQBIBSVQT STQLFNGMTVKARATTREVMATYTIREDIVIELIIQLPSNYPLGS IIVESCKRRVGAVQQRNWMQLSTYLTHTQNGSIDBGLALWKN VDRFPBGVEDCMICPSVIHGPNYSLPKACRTCKKKPESA/CLY KNFTSSNKSTCSLCRETF
6042	1306	253	MARLAPASPSDIKASVNGDTTLLCERQSCGMNREVRQVSLTYP GSPAPSHSLPLQPSGGSLCPSRAH/PDPHQLPDDTSSAQSRQY GAQRAPGGLSYPAASPTPHAAFLADPVSNMAMAYGSLAAQGB LVDRKNIDRFIPITKLKYYFAVDYMYVGRKLGLLFPYLAHQDWEV QYQODTPVAPRFVNAFDLYIPAMAPITTVLVAGLALGTQDRFS PDLLGLQASSALAWLTVLVAIILSLYIVTVNTDLTIDIVAFI GYKYVGMIGGLMGLLFGKIGYLLVIGWCCVAIFVFMIRTLRLK

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6043	403	599	ILADAAAGGVVEGARNQLRMVLTMAVAARQPMIMVLTTHLVR LCLFFFFPCATPVLPLPSLISAL/CLSHLSVSSWFCCQPPPLPC PLPPLQNKTAEGSLSTEQSERG
6044	793	412	KLEMANFTLISKVKISREVTNLSKPGIGQQVRSLLGVLGVVV DIDPVYLSLSEPSDELAVNDLRAAPWYHVMEDEGLPVHTYL AEAQLSESLQDEHP\EQPSMDELAQTIRKQLQAFRIEN
6045	155	2299	SPLPQVAMNYLRRRLSDGNFMANLPNGTMTDLQBPQPPPPPG AHSFGATPGGTATARRSSGVAPASPAAPSPGSSGGGFFSSL SNVKTATAAAATPSEQVGGSGGAGRGGAASRVLLVIDEPHT DNKYFKCKIKGSDIRVQDAHPSDLNLVAHANGGSPVMEVL ENGVEVRSLSKPDVFLIRQHAFSMARNGDYRSLVIGLYAGIPS VNSLSVYNPCDKPVVFAQVRLHKKLQTERFPLIDQTFYPNKK EMLS\TTPVVVMQGGHGLAGWGRKVDVQHDQDIASVVALT ETATAEFFIDAKYDVRVQKIGQNYKAYMRTSVSGNWKINTGSA MLEQIAMSRYKLVVDTCSEIFGGLDICAVEALHKKGRDHIIE VVGSSMPLIGDHQDEKQLIVELVVYKMAQALPRQQRDASPGR GSEGTTPSGALPLGRQTSQQPAGPPAQORPPPGGPPQPGPGP QRQPPPLQORPPPGQQHLSGLPPAGSPLPQLPSPTSAPQPP ASQAAPPTQGGQRQSRPVAGGPGAPPAARPPASPSQRQAGPPQ XTEQTSVSGPAPPKASGAPPGQQQDQGPQKPPGPGAGTRQASQ AGPVPTOTPPPTTQPPRPGPGPAGRPKPKLAQKPSQDVPFPA AAGGPPHPQLKKSQSLTNAFNLPEAPFRPSLSQDEVKARTIRE LRESFASLESD
6046	212	1075	EGLTGPCERVPVLLGRGPPHGATRAGHRAVEMAGPRLPPLPR SLIMDSPRAGTHQGLDABTEVGNDRCTSTAYQBRPQVEQVGK QAPLS/PGLPANGGPGPGPCEDPAAGGAGAGGSEPLVTVTQCA FTVALRARRGADLSRLALQALPHQ\AQLGQLSYLAGEDGH WVPIPEESLQRAHQDAACPRGLQLCRGAGGRFVLYQVVAQH SYSAQGPEDLGRQGTVDVLCEVDQWLEGHCDGRIGIFPKCF VVEAGPRMSGAPGRPLPSQQGDQP
6047	19	1405	PVLVTSLRMRADTLRPPQIMEVSADIISTVEPNHTGELLATGD KCGRVVIFQRPESKNAHPSQGEYDVYSTPQSHBPFDYLSLE IERKINKIKWLPQNAHSLSTNDKTIKANKITERDKRPGYN LKDREGLKDLSTVTSLQVFLKPMDLMEVSPRIIFANGHTYH INSISVNSDCFTYMAODLRILWHLAITDRSFTP\NIVDIKPA NMEDITEVITASEPHPHCNLFVYSSSGSLRLCDMAAALCDK ESKLFKEPEDPSNRSFFSEIIS\SVSDVKPSHSDRYMLTR\DYL TVKVDL\NMBARPIBTYQVHOYLSKLCSLYENDCIPDEPCA WNGSDSVIMTGA\YNNPFEMPTDRTKRDVTL\BASRESSKPRAV LKPRRVCVGGKRRRDDISVDSLDPTFKILHTAWHPAENTIALAA TNNLYIFQDKVNSDMH
6048	1	3194	GIKTPKFCDSPTSDLEMRNGRGRGRMRPNSNTPVNETATASDS KGTSSSKTRAGANSKGRGSGQSSEHRPPASSTSEDVKASPPSS ANKRKNKPLSDMEINSSSEDSKGRVKTNSMGSATGPLPGTKV RPTVLDENCPSFVLIQCPHPCNKRYKHINGLKYHQAHAHTDD SKPRADGDSFYGERPILHADLGSCNG\ASVSQK\GSLSPARSAT PKVRLVEPHSPSPSKFSTKGLCKKLSGEGDTDLGALSNDGSD DGPSVNDETENDAFDGLERKCKEREKCKKPSLKEKIPSKSLK SARPI/APLAIPQOIYTFQTATFTAASPGSSSLTATVAQAMP NSPQLKPIQPKPTVMGEPTVNPALTPAKDKKKDKKKKSSKE LESPLTPGRVCRABEGKSPFRESSGNGMKMBGLINGSSDPHQSR LASIKAEADKIYFTDNAPSISIGSSLENTTPTQPLTPLRVV TQNGABASSVKTNSPAYSDISDAGEDGCKVDVSVDABQLVK EGAKRTLFPQPSKDSPPYQGFESYSPSYAQSSPGALNPSSQ AGVESQALKTRDEEPESIIGKVNDICREKPKLSSSSQPPSV IQQRPNMTQSLYNNQYAYVPPYGYSDQSYHTLLSTHTAYRQ YEQQRQSLSQQRGVDRKAEWGLKREAALEKWKQKPSIPP TLTRAPSLTDLVSGPGRAKEPGADPAKSVIIPKDDSSKLPQ APBGLKVLSDASHLSKKEAKTEACCGRAEMDPIILWYRQEA EPRMNTYVPAKYSIDIKSEDERNKEERDEKLEKERSRSKDSVPK

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			<p>EDGKERSTSSDCKLPTEESRLGSKRPRPSVHVVSSEPLTOHQSY</p> <p>IPYMHGYSSQSYDPNHPSTRSMFPAVMQNYFGSYLPSSYSFSP</p> <p>YGSKVSGGEDADKARASPSVTCRSSSES KALDILQOHASHYKSK</p> <p>SPTISDKTSQERDRGGGVGGGSGCSSVGCASGGRSVDRPRT</p> <p>SPSQRLMSTHHHRLGYSLPQYINLPYAGLSSTAIIVASQQG</p> <p>STPSLYPPPPR</p>
6049	215	1089	<p>AMTGVDPDRVPSIRSGDFQAPPQTSAAMHHPSQESPTLPSSAT</p> <p>DSQYYSPTGGAPHGYCSPTASAYG/KALNFPYQYHGVNCSAGS</p> <p>YPAQVADYSYASSTHYGGATNRVPSATNQPEREVTREPEVMV</p> <p>EGKPKKVRKPRITTYSSPQLAALQRRPQKTYLALPERARLAASL</p> <p>GLTQTQVKINPQKRSKIKKIMRNGEMPEHS PSSSDPMACNSP</p> <p>QSPAVWBPQCSSRSLSHHPAHPTSNQSPASSYLENSASWYTS</p> <p>AASSINSLPPPGSLQHPALALASGTLV</p>
6050	566	1718	<p>KGLERTCCAMBSDSBKTTEKENLGPMDPFLGEPG/GSLGWVL</p> <p>PNTAMKKKVLMLGKSGSGKTSMSRIIPANYIARDTRRLGATILD</p> <p>RIHSLQINSSLSSTYSLVDSVGNKTTFDVERSHVRFLGNLVLNLW</p> <p>DGGGQDTFMENYFTSQRDNI FRNVEVLIYVFDVESRELEKDMHY</p> <p>YQSCLEAILQNSPDAKIFCLVHMDLVQEDQDRLIPKREEDLR</p> <p>RLSRPLECCSPRTSIWDETLKAWSSIVYQLIPNVQOLEMNLRN</p> <p>FAEIIIEADEVLLFERATFLVISHYQCKEQDARRFEKISNTIKQ</p> <p>FKLSCSKLAASQSMSEVRNSNFAAFIDIPTSNTYVMVMSDPSI</p> <p>PSAATLINIRNARKHFEKLERVDGPKQCLLMR</p>
6051	566	1718	<p>KGLERTCCAMBSDSBKTTEKENLGPMDPFLGEPG/GSLGWVL</p> <p>PNTAMKKKVLMLGKSGSGKTSMSRIIPANYIARDTRRLGATILD</p> <p>RIHSLQINSSLSSTYSLVDSVGNKTTFDVERSHVRFLGNLVLNLW</p> <p>DGGGQDTFMENYFTSQRDNI FRNVEVLIYVFDVESRELEKDMHY</p> <p>YQSCLEAILQNSPDAKIFCLVHMDLVQEDQDRLIPKREEDLR</p> <p>RLSRPLECCSPRTSIWDETLKAWSSIVYQLIPNVQOLEMNLRN</p> <p>FAEIIIEADEVLLFERATFLVISHYQCKEQDARRFEKISNTIKQ</p> <p>FKLSCSKLAASQSMSEVRNSNFAAFIDIPTSNTYVMVMSDPSI</p> <p>PSAATLINIRNARKHFEKLERVDGPKQCLLMR</p>
6052	566	1718	<p>KGLERTCCAMBSDSBKTTEKENLGPMDPFLGEPG/GSLGWVL</p> <p>PNTAMKKKVLMLGKSGSGKTSMSRIIPANYIARDTRRLGATILD</p> <p>RIHSLQINSSLSSTYSLVDSVGNKTTFDVERSHVRFLGNLVLNLW</p> <p>DGGGQDTFMENYFTSQRDNI FRNVEVLIYVFDVESRELEKDMHY</p> <p>YQSCLEAILQNSPDAKIFCLVHMDLVQEDQDRLIPKREEDLR</p> <p>RLSRPLECCSPRTSIWDETLKAWSSIVYQLIPNVQOLEMNLRN</p> <p>FAEIIIEADEVLLFERATFLVISHYQCKEQDARRFEKISNTIKQ</p> <p>FKLSCSKLAASQSMSEVRNSNFAAFIDIPTSNTYVMVMSDPSI</p> <p>PSAATLINIRNARKHFEKLERVDGPKQCLLMR</p>
6053	301	1704	<p>KGTENMKSRWQSRRRHGRSHQCNPNWFRLEDSEDRSDSRAAQA</p> <p>HDSGHODDESPSTSSCTAGTSVPELPGFYFDFPEKKRYPRLLPG</p> <p>HNNONPLTKESIRQKEMBSERLRLQEEEDRREKIAMGEPNASSM</p> <p>LRSQLGFLNVTNYCHLAHELRLSCMERKKVQIRSMDPALASD</p> <p>RPNLILADTNSDRLPTVNDVTVGGSKYGIINLQSLKPTFLKVPF</p> <p>HENLYFTNRKV\NSVCNASLHLDSDHILLCLAKSLARTPGCATLL</p> <p>PASLFPVSHPGIDRPG\MLCSFRIPGANS CARSLEIQANNCPFS</p> <p>TGLSRRVLLTNVVTGHRQSGTNSDVLAAQFPALMAPLLPNCGRS</p> <p>GEIIPALDLRCGNQCKGWKATLFDHSAVTSVRILQDEQVLMASD</p> <p>NAGKCKLMDLRTTCVRYQYBGHVNEYAYLPLHVHEEGILVAVG</p> <p>QDCYTRIWSIHARLLRTIPSPYPASKADIPSVAFSSRLGGSRG</p> <p>APGLLMAVGQDLYCYSYS</p>
6054	1	1054	<p>FPRIARLQEPGTSRRREMAAPSGVHLLVRRGSHRIFSSPLNHTYLH</p> <p>KQSSSQQRNFPPRRQRDISHSIVLPAVVSSAHPVFKHKRPDY</p> <p>VTTGIVPMDGDSIEVKNRDQIQGLHQAQLARHVLLLAGKSLKV</p> <p>DMTTERIDALVHREKIIISHNAYPSPLGYGGPPKSVCTSVNNVLCH</p> <p>GIPDSRPLQDGDIIINIDVTYNYGYHEDTSETFLVGNVDECGKK</p> <p>LVEVARRCRDEAIAACRAGAPPVIGNTISHITHQNGFQVCFHF</p> <p>VGHGIGSYFPHGFPIWHHANDSDLPMEBGMAFTIEPIITEGSPB</p> <p>PKVLEDAWTVVSLD/TSKVSQAFHTVLITSRGAQILTLPHEA</p>

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6055	421	2364	PPYFLLSPLANNLYGQSDRTETDYGQSAGPPPTLQCSALHHPD GCANCSRPCRDSPACQCHTHVPPGNALGVQPPPELSRTLALI SSREPPRRKKKQSTETGKRRRTSPLTQGGKRFELQRLAGLIGM TLITGDSIVSARAVWDHVTMAHRELAPKAGDVIRVLDASNRDW WMGQIDDEECWFPASFVRLVWVHDEVEBGPSPDVQNGHLDPNSD CLCLGRPLQNRDMRAHVIEHIMSTEEHYIKHLKDI CEGYLEQD RKERDMFSDQLKVI PGNIEDIYRFQMGFVRDLKQYKNDPFL SEIGPCFLERHGDGFWIYSRYCNHLDACNELSKLMKDSRYQHFF EACRLLOQMDIA\IDGFLITPVQKICKVPQLAELLLKTTAQDH SDYRYVAALAVMRNVTTQINERERRLRNIDKIAQWQASVLDNE GEDLDRESSELIYTGEMANIYQPYGENQORVFFLEDEOMVLCK KDLIRRDILYTKGRIDMDKCYEVVDIEDGRDDDFNVSMEKNAFLH NKEETKHLFFAKJLSEKIRWLRAPFREEREMVQSEKICGPRISE NQKROAMTVRKVPKQEGVNSARSVPSPSYPPQDFLRGQYLVP \DGLAQSQVFEPTKPKRSQSPFWQNPRLTPFKK SGGEGFVRVRSEQLSPSAEQVSQISQISLGRRLSSLP PPSRA LAPTRAPDALTIMVAVESPLNPSCKMTFRPSMEETFEENK YLAYMESKGAHRAGLAKVIPKWKPRQCYDDIDNLLIPAPIQQ MVTGQSGLFTQYNIQKAMTVKRPQLANSKYCTPRYLDYBOL ERKYWKNLTFVAPIYGADINGSIYDEGVDEWNLARLNTVLDVVE EECOISIEGVNTPYLYFGMWEKTPAMHTEDMDLYSINYLHFGEP KSWYAI PPHGKRLERLAQGFPPSSSQGCDAPLRHOMTLISPSV LKKYGI PFDKITQAGEPMITFPYGYHAGFNHGFNCARSTNPAT VRWIDYGRVAKLCTCRKDMVKLSMDIPVRKQPDYQLWEQKQD IYTI DHTKPTFASTPEVRANLQRRREKVRKASRSFQCARSTS KRP KADREEVSDDEVDGAEVPHFDSVTDDLKVSSEKSAAVKLENTA SSREESSASRMQVEQNLSDHIKLSGNSCLSTS VTEDIKTEDDKA YATRSVPSISSEADDSIPLSTGYEKEKSDPSKLSWPKSPSCS SVARESGVLTGEGESDVESEHGNLEPGEIPAVPSGERNSPKVPS IABGENKTSKSWRPLSRPPARSFMTLVKQAPSDDELPVLIS I KEEVEBTRSNAPLIHLMTQKPPNFAABQEYNATVARMKPHCAI CTLLMPYHFKDSSNEENDARNWTELDEVVTEEGKTKPLIEMMCP IYSEENIEYSPFNAFLERDGTSLISCAKCCVRVEASCYGI PSH EICDGLCARCKRNANTACCLCNLRGGALKQTKKWKWAVMCA VAVPEVRFNVPERTQIDVGRIPQLRLKLCIPCRHRVKRVSGA CIQCSYGRCPASFHVTCABAAGVL\NEPDDNYPVWNITCFRHKV NPNVSKACEVLSVGGTVITKRNTRYYSRCVMVTSQTFTEV MPDGSFSRDTFPEDIVSRDCLKGLFPABCEVVQVKNPDGKLYG AKYFGSNIAEMYQVEFEDGSQ LAMKREDIYTLDEBLPKRVKRP VSAGRCHLGTQVNSLSSPHVSQAQOETYLGPWINSKKSQCHIF LEGTY
6056	43	3358	FVARLKEQCEGGGLGPRREKGRARCRERRRRKQOLTRCCFVFLVQ GSLYLVI CQDDGPPGSEDPFRDDHEGQPRPRVPRERGHISPKS RPMANSTLLGLAPPGEAWGILGQPEPRPNHSPPPSAKVKIFG WGEFYSNITVALNLLVTGKI VDHGNGTFSVHPQHATGQGNIS ISLVPPSKAVERHQEQQLIRAKASKIFNC\RMSWKKVE\RGRR TSLFTHDPAKICSRDEHAQSSATWSCSQPPKVVCVYIAPYSTDYR LVQKVCPTDYNHSDTPYPSG HPLPSASLGLPSVSLGVSICVRSALLAVVFM LPKRRRARVGSF SGDAASSTPPSTRFPGVAITLVEPRMGRSERRAFLTGLARSKGFR VLDAESSEATHVMEETSABEAVSWQERRMAAAPPCTPPALLD ISWLTSIGAGQPVVVECRHRELVAGPSKGPLSPAMMPAYACQR PTPLTHNTGLSEALEILAEAAQFEGSEORLLTPCRAASVLKAL PSPVTTLSQLQGLPHFQEHSSRVVQELLESEGVCEEVEVRVRSB/ RLFTQIFGVGTADRWYREGLRTLDDLRBQPKLTQQQKAGBP SREAGPHASLNCITLDPASSTP
6057	1	853	QQDFESLADLTDRRAHRCFGDGGDDPQLSWVASSPSSKDVASPT QMGDGCGLIGEEGCTGLPYPCQFCDKSFIRLSYLKREBQIH SDILPFKCTYCSRLFKHRSRDRHKLHTGDKKYHCHCEAAFS RSDHLKHLTHSSSEPKCTVCKRGFSSSTSSLSQSHMAHKKKQK EHLAKSEKRAKKDDFMCDCYCDTFFSQTELEKHLVLRHPOLSEK
6058	1	986	
6059	2	3650	

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			ADLQCTHCPEVFPVDENTLLAHIEQABANQKHCCPMCPB/QPSSV EGVYCHLDSDHROPDSSNHSVSPDPVLGSAVMSSTATPDSASV EKGSTPDSTLKPLRGQKKMRDGGQWTKVVSYPYCSERDPNSL AVLEIHLKTLDADKPOQSHTCQICLDSMTLYNLAEHVRLKHN HAYPVWQPGNLSAFHCNYCPMFADINSIQEHIRVSHCGPNANP SDGNNAFFCNQCSMGFLTESSLTEHIO/Q\AHCSSVGSAKLESFV VQPTQSFNEVYSCPYCTNSPIPGSLKLTETHEHETNPLAHS KESKARQS PVSSDVEVSSPKRQRLSASANSISNGEYPCNQCOLK FSNFESPTHLXHLKLLLRQACQCKEDPDSQBSLLQHLTVH YMTTSTHYVCESCDQPSVDD/LQKH/LLDMPHPLCCTHCT/L CQSVFDS/KVSI/QVHLAVKHSNEKQMYRCTACNEDPREKADLO VHEKSHLGNPARAKHCIPGRTFS TEVELQCHITTHSKKNCK FCSKAFHAI LLEKHLREKHCVPDAATENGANGVPPHATKKA PADLQGMILLNPRAPNSHEASDDVDASKPNTGCDICGAAYTME VLLQNHRLRDNINRPGEDDGSRRKARFIRGSHKCNVCSRTPFSE NGLREHLQTHRGPAKHYMCPIGGERFPSLLTLTEHKVTHSKLD TGTCRICMPLQSRBFI EHCQCHPDLNLSLTGPRCVCMQIVT STLELXKHGTFPMQLAGSSAASSPBGQGLQKLYECALCLKEPR SKQDLVKLDVNGLPYGLCAGCHARSANGQVGLAPPEPADRPCA GLRCPBCSVKPSAEDLESMMQVDHRDLTETS GPRGRTOTSPV PREKTYQCICQMTFENREI QIHVANEMIEGGINHECKLCKQM FDSPAKLLCHLERSFEGMGCTFECPCVCTV FVQANKLQHI FA VHGQDKLDCSCQCPQKFFQTLQNHHTMSQHAQ
6060	2145	202	SYETVGNKLEVNHSQKALCKCSLPSRLPLIGENLPLDRCFR KEPRSRGSRERDNMLHHSCLCFRWLPANLAVLLSLAPSASS DISASRPNTLLIADDLGIGDIGCYGNMTMTPTNIDRLAEDGVK LTOHISAASLCTPSRAAFLTGRYFVRSGMVSSIGYRVLQNTGAS GGLPTNETTFAKILEKGYATGLIGKHLGLNCKSASDECHPL HHGFDHFYGMPPSLMGDCARNELSERVNLEQKLNFLQVLAUV ALTIVAGKLTHLIPVSWMPVINSALSAVILLASSYFVGALIVHA DCFLMRNHTITEQPMCFQRTTPLLQEVASFLERNEGSPFLLEFV SFLHVHPLITHEPFLGSLHGLYGDVVRKMDMVGRIILDTLDV EGLSNSTLIYFTSDHGGSLNQLGNTQYGGWNGIYKGGKMGGN EGGLRVPGIFRWPGVLPAGRVIGRPTSLMDVFPFVVRLAGSEVP QDRVIDGQDILLPILLGTAQBSDEHFLMYCERFLBAARKHQRDR GTMKRVHVPVTPVQPEAGAGACYGRKVCPCFGRKVVHEDPPLFD LSRDPSETHILTASEBVFVYQVHER/VQOAVNEHQRTLSPPVPLQ LDRGLNIRPMLQPCCGPFLCNCLREDDPQ
6061	110	1330	MNTHMRKTKTNTFENEMLMILGMPAVHVRTRILLESBQGSFN VHNPDMEA VPLLNNVKGEPEDSLVDHPQITQTFPVDLSENK ARTSPTAVSSSFVMTASASSPSSTSTSSSSSSRLASSPTVITS VSSASSSTVLTGPLVASASGVGGQQLHIHPVPPSPMNLQ SNKLSVHRIPVVVQSVPVVYTAVERSPGNVNTIVVPLEDGRG EGKAQMDPRGLSPRQSKSDSDDLFNVTLDSVNETGSTALSIA RAVQEVHPSPVSRVRONRMMNQKPPCSISPPSIBSTRQRIVLN PPDSRKTAYSTDCDF/EGLLQKLYTKSSSPGRVHRETHTGKPY ECTWEGCTKWFARSDELTHYRKHTGVKPKCADCDRSFERSDH LALHRRHMLV
6062	71	1079	ETMARNGPENCEDCHILNAEAFKSKKICKSLKICGLVFGILALT LIVLFWGSKHFWPEVPKAYDMERTFYSNGEKKKIYMEIDPVTR TEIFRSGNGTDTLEVDHFNQYTGIIYFVGLQKCP IKTOIKVIP EFSEPREIDENREITITTFBQSVINVPKPKIENRDFLNSKI LEICDNVTMYW\INPTL\ISGTFKQQLHNFAPILLVSKLQDFE EDGEOLHFPANERKGI EQNEQWVVPQVVKTRHARQASEERLP INDYTENGLEFDMLDERGYCCICYCRGNRYCRRVCBPLGYYP YPYCYQGGRVICRVIMPCNWWARMGRV
6063	71	1079	ETMARNGPENCEDCHILNAEAFKSKKICKSLKICGLVFGILALT LIVLFWGSKHFWPEVPKAYDMERTFYSNGEKKKIYMEIDPVTR TEIFRSGNGTDTLEVDHFNQYTGIIYFVGLQKCP IKTOIKVIP EFSEPREIDENREITITTFBQSVINVPKPKIENRDFLNSKI LEICDNVTMYW\INPTL\ISGTFKQQLHNFAPILLVSKLQDFE

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			EECEDLHPFANERKQIEQNEQWVVPQVVRKTRHARQASREELP INDYITENGIEFDPMLEDERGYCCICYCRGHRVCRVCKPLLGYYT YPICYQGGRVICRVIMPCNNWVARMGLRV
6064	913	311	WLPQSLPRPTENSPPYSLKMTDLVAVWDVALSDGVHKTPEPHG TTSGKRVVYVDGKEIRKEMFKLVGKBTFFVGAARTKATINDID AISGFAYEYTLKNGKSLKKYMEDRSKTTNTVLENDGENFRIV LEKQAMDVWCNGKLESTAGEFVDDGTETHTPSIGTH\ACTIKAV\ SSG\KRKEGIIHTLIVDREIPEIAS
6065	1153	641	MSVVRVARVAVRGCASVREGASSPPVPPFGAGGVARLIRDATG AEEKAPWAATERRMPOQCSVLLFPQGSQVVGWGEGLLNYPRVR ELYAAARRVLGYDLELLELGGPQSTLDRTVHCQPAIFVASLAAY EELHLHLQPSVINCVAAGSFGVEPAALVFAGAMEFAEG
6066	68	3470	VKENMPATREPMRYGHTSGHTEVCFOGSGSPIVTCGSDGDVRIW BDLDDDDPKPIINVGEKAYS CALESGKLVAVSNNTIQVHTFPBG VPDGIILTRPTINAHVVFNGDGTCLAAGSSD\PLVKIVDVMSS QOKTFRGHDAFVLSLSPDPKDIPLASACDGSVRWQLSDQTC ISWPLQKCNVDINAKSICELAWQPKSGKLLAIPVEKSVLYRR BSWSHQFDLSDFISQTLNVTWSPCGQYLAAGSINGLIIVNNV ETKDCMERVHEKGYAICGLAWHPTGGRISYTDAGNLGLLENV CDPSGCTSSSKVESRVEDYNDLPDGDMSNAGDFLNDNAVEIP SPSEGIINDDDEDDILMAGSRPQESHILRDDENSVDISMKT GSLLKREKREDGQESDENLPLVTSQRPFFYDGPMPPTPRKPPQS GSTPLHLTERPMVWNSIGLIRCYNDEQDNALDVEFHTDSIHAT HLSNTLNTYIADLSHRAILLACESTDBLASKHLCILFSSNDSK EWIIDLPOBEDTRATCLGQGNAAATSAALLRLPLTIGGVQKEVP SLAGPVVSMAGHGEQLFIVYHRTGFDGDQCLGVOLLELGGKKK QILHGDPLPLTRKSYLAHIGPSABGTPCYVDSEGIVRMLNRGLG NTWTPICNTRKCKGKSDHYWVG IERNPQQLRCIPCRGSRPPP TLRPAVALLSFKLPYCOLATEKQMBEQFNRSVIFHNHLDYLA KNGVEYERSTKQATKEQQELMRMLALSCKLREPRFCVELADL MTONAVNLAIKYASRSRLILAQKLSLAVEKAABLTATQVERE EEREDFRKQLNAGYSNTATENSQPRFRNQVEEDAEDESGEADDE KPRTHKPGQNSFSKSTNSDVSARSQAVTFSSQGRVNPFRVSAS SKRPAMSMNSARSTHLDNMGKSSKSTALSRITNNEKSPITKP LIPKPKPKQASAASYPQRNSQTNKTBVREBNLKNVLSBTPAI CPQMTENQRPTGPFQMLKENRNSNLSNDPDSDEADIIEGH LRPVLSTERRKVNANKAKQETASEGTBAKRKRVRVDESDETEN QEEKAKBNLNLSSKQKPLDFTNOKLSAFAPKOE
6067	858	321	LPWQRLGVLLSRGNNAVTCWLESLETAQKTALLQGERKVBHYLP PDGEMABEYDEKTSLLVRKRVKSA LGAMQWQLEVGDPAPL GAGNLGPGLIESNANPIMRKOTMSQWRI RNLPYKDVYSV SVDQKRCIIIVRTTNKKYKPSIPDLDRHQLPLDALLSFA\T PTAP
6068	13	1730	GSKNADLANEEKPAIAPVVFQKDRGQSPAEQKHLSDSGRRP RGEAEAPHHTGHPESAGEHALEPPAPAGASASTPPPPAPERQL PPFPRELAGRSAGGSSPEGGEDSDREDGNYCPPVERERTSSLTQ PPPSQSEKSSSGFRLKPTLIHQAPSAGLPSQKPEQQRSVLR PAVLQAPQKALSQTVPSSGTNGVSLPADCTGAVPAASPDTAH RSPSEADEVCALREKSFQRNBSNASEBEACEKDPATQQAQV PCQNLDRVKLINESVDREAMEHAGHPSADTPTATNYFLQYISS SLENSTNSADASSNKPFGQMSERVLSPPKLEVSNDANRENA AASGSESSSQEATPEKESLABSAAAYTKATARKCLLEKVEVIT GEEAESVLOMQCKLPVFDKTSQSWVERGRGLLRINDMASTDDG TIQSRLSDAGPRGSLR\LI LATELMAQMQIDKASER\SI RITAM DNEDQGVKPLISASSKDTGQVYALHHRILALRSRVEQEQRAK MPAPEPGAAPSNEEDSDDDVDLAPSGATAAGAGDBEDGQTGS T
6069	583	27	PTRPQAGCSSSAMAQRLOGKRVLSKLQSPSRARCPGSGPGGLQK RHARVTVKYDRRLQRRLDVKKWIDGHLLELYRGMEADMPDEIN IDELLELESKEERSKIQGLKSGKPFVEDFTQELLAKLQGLHR

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			Q\FGLRQPSFSP\DGQPSAPFGPGARTASEPLTLLALFPQPPER RPALLCVLSCT
6070	478	858	IRVTVDGEFLHYIFPLQFLDSPW/RFTKTHRGHIF\QVLTAE TDCTVSHRRKLLYLLFAQRHYISRLFSVLIGSDIADKLYALND RVTYIGKRYEYDIRLENFYOMSTPEIRRSPLTQBFQNSRYW
6071	2	1654	HEARTKGNMALARP\VRFLSVLTRLIAPRRGLTVRSPDEPLPV VRI PVALQRLQEQRSRRRLRFRPVLVRPGFLLVSARRPELANP ARLTLGEMERAPLASQGHXSRRARRDHFSIRRAQQBAPVRKLS SKQSADLCAMKPRVLHALQ\AAPEVVQ\PTTVQSSITPISLR GRHVCAETGSGKTLSTLLPQLQLL\HPSLDSLETPAPRGL VLVPSRZLAQOVRAVAQPIGRSLGLLVRLDCCGHRMRTIRLQLS RQPSADVLVATPGALWALKSRLISLEQLSFLVLDEADTLLDES FLRLVDYILEKSHIABGPADLEDPPFNPAQLVLVGATFPBGVQO LANKVASPDVTTITSSKLHCIMPHVKQTFLLKAGDKVAELVH ILKHRDRAERTGPGCTVLVPCNSGSTVNWLYLDDHKLQHLRL QGQPALMRVGI PQSPQKSRDILLCTD\ASRGLDSTGVELVVN YDFFPTLQDYIHRAGRVGRVGEVPGTVLSFVTHPMOVSLVQKI ELAARRRSLPLGLASSVKEPLQAT
6072	1	742	KMERTEMPTINSOLEFHSKPFPLVSSSRNLVRGELTAYVEDT VLSRRTSRQQVYFPLFNDVLIITKKESESYNVEDYSLRDQLL VESCDNEKLNSPGKNSSTMLYSRQSSASHLFTLTVLSNHNK VEMLLGAETQSERARWITALGHSSGKPPADRTSLTQVETVESPT ARQPDLSLQVADVLI\YQVSDQWYEGSR\LRDGRGWPPMR CAMEITQATIDENVERMRLLGLETNV
6073	620	860	PCRRLARPLSRPG/SILVHCAGVRSATLVLAYMLYHLLT LVEAIKKVKDHGRIIPNNGFLRQLLALDRRLRQGLEA
6074	168	1110	PGARCNATLQCPDSMPCHQOVNSASTPSPQLRPGDLILDBA GNRASRAKVIILLTGVAHSSLPAELDSGACGSLNSEGNSGSG DSSSYDAPAGNSFLEDCELSRQIGAQLELLPMNDQIRELQTIIR DKTASRGDPMPSADRLRLVVEGLNQLPYKECHVTTPTGYKYE GVKFEGKNGCVS\IMRSGEAMEQGLRDCRSIRIGKLLIQSDEET QRAKVIYAKPPDIYRRKVLIMYPILQIG\WTVIRAVKVLIEHG VQPSVILLSLSPSTPHEAKSI IQEPFRITILTTEVHPVAPTHFG QKTFGTD
6075	320	1091	PPTCQPOQVEHH\YGYVPIIGNKTLPSRCHQCVIVSESHLGT KLEPTEIRABCTIRNDAPTTGYSDVGNKTYRVVARSVFRV LRPQRFVETPTPTVP\IPWGPSPKMQPQGLVRVIOAGLVFP NMEAYAVSPGRMRQDDLEGETGKDRKSHSWLSTGWFTMVIA VELCDHVHVYGMVPPNYCSQRPRLQRMPIHYEPKGPDECVTYI QNEHSRIGNHERFITTEKRVPSNAQLYGITFSHPST
6076	1721	107	HPSPTEAPRVQHLTMDCTWRIYLFVAAATGTHAQVQLVQSGARV KKPASVYKVSCKVSGYTLTSLMHWVRQAPGKLEWNGAFDPED GETIYAQKFGQGVMTEDTSTDTAYMELSSLEDTAVYYCATD HGDYAFDIRCQGTWTVSVSAPTAPVFP\IISGCRHPRKNSPVV LACLITGYHPTSV\TVTWINGTQSDA\QRTFPEIQRRDSYMTS SQLSTPLQWROGQBYKCVQHTASKSKKEIFENPESPEAQASSV PTAQPOAEGSLAKATTAPATTKNTGRGGREKKKKKREKREERE TETPECPSTQPLGVYLLTPAVQDLMLDKATPTCPVVCSDLKD AHLTWEVAGKVPTGGVEBOLLEHSHNGSQSHSLTLPRLWNA GTSVTCTLNHPSLPPQRLMALREPAQAPVKLSLNLASSDFPE A\ASWLLCEVSGPSPNTILLMWLEHGEVNTSOFAPARPLPKP\ RSTTFWA\WSVLRVAPPSPQATYTCVSHEDSRILLNASRSL EVSIVTDHGMK
6077	3687	1268	LLPDMNLQPIFNIGLISSVCCVFAQTDENRCLKANAKSCGECIQ AGPNCGWCTHSTYIQEGMPTSAACDLLEALKKGCPPDDIENPR GSKDIKKNHVTNRSRGTARLKPEDITIQIQQQLVLRLSGEP QITPLKFKRAEDYPIDLYLM\DLSSYMKDDLENVKSGLTDLN ENRITSDPRIGFSGFVEKTMPIYISTPAKLENPCTSEQNTS PPSYKQVLSLITNGEVFNELVGQRISGNLDSPEGGFDAIMQVA VCSLIGWRVTRLLVFSTIDAGFHFAGDGLGGIVLPNDGQCHL

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			<p>ENNMVIMSHYVDYPSIAHLVQKLSNNIQTIFAVTREFQPVYKE LENLIPKSAVOTLSANSSNVIQLIDAYNSLSSEVILENGKLS GVTISYQSY\CKNGVNGTGBGRKCSNISIGDEVQFISITSNK CPKDSDSPTKIRPLGPTBSEVILQYICECEQSEGIPESPECK BNGTFCGACRCNEGRVGRHCCESTDVBSSEIDIGCFARKENQ FQKSASNHGRVPSAGQCVCRRDNTNRIYSGKFCEDNPNCDRS NGLICGNGVCKRCVCECNPNYTGSAACDCLSTSTCRASNGQIC NRRGICGCGVCKCTDPKFGQQTCEMOTCLGVCAEHKRCVQCRA FNKGEKKDTCTQCSYFNITKVESRDALPQFVQDFVSHCKEKD VDDCNFYFTYSVNGNEVMVHVVENPECPGTGPDIIPIVAGVVG IVLIGLALLLNLKLMITHDRREPAKFEKEKNARWDTGEMPIY KSAVTIVNPKYBCK</p>
6078	1426	180	<p>BTEDVMKLLKEDTCTPCCSLFDDPRVLPCSHNFCCKKLEBILE GSVRNSLWRPVPPKCTCRKTPSYWELIPLQVNSLKGIVERY NKIKISFPMFVCRGH\LGQPLNIP\CL\TDMQLDL\CGIC\ATR GEHTKHFVCSIEDAYAQERDAFESLFQSFETWRRGALSRLDTL ETSRRSLQLLTRDSKVKFEFKLQHTLDOKKNEILSDPETMK LAVMQAYDPETINKLNTILQEQRMFNIABAFIDVSRPTVPLQOM QEFREKIVIKETPLPSPNLPAFPLMENFDTSQWEDLKLVDVDE LSLPQDTGTPTSKIPWSPYKLLILLILLQVIVFGPTMFLWSL FDDLATWRCGLSNESYLTATADFTQSVFYWQVTDGPFIPNB RKNFTLVULENVAEPVCKYKLL</p>
6079	1586	141	<p>ATARDLGCARRIDRVNMESTPSBGLNRVHLQCRNLQEFGLGLSP GVLDRLYGHFATCLAVFRELPSLAKNVMEMFLBQPLPQAAVA LMVKKEFSAQERSTGLLSGLRIWHTQLLPGGLQGLILNPIPRQ NLRIALLGGGKANSDDTSQGLPDKHARDVPSLDKYAERNEVVL HFMVGSPSANVSQDLAQLLSQAGLMKSTERGEPPCITSAGFQPL LLDTPAQLWYFNLQYLQTAQSRGMDLVEILSLFQLSPSTLQKD YSVEGMSDILLNFQHLRREFGLVQRRKRSRRYPT/RALAINL SSGVSGAGGTVHQPGFIV\VTNYRLYAYTESELQIALIALPSE MLYFPF\NMVV\ARVTR\ESVQQA LASGITAQI\IHFLTRAHP VMEKQT\VLPTITDQIRLMELERDRLRFTEGVLYNQFLSQVDF ELL\LAHAPKGLVLVFE\NTPAKRLMVVTPAGHSDVKRPFWRQK HSS</p>
6080	1	1199	<p>YETIDHVGREFAMAAQAGVSRQRAATQGLGSNQNALRYLGQDPK TLRQQLDSCVLPKDPPEFPACPSALGYZDLGPGSPQTGGIINER PTLCPSPQFIVCGATRTDICOGLGDCWLLAALASLTINEBLL YRVVPRDQDPQENYAGIPIFQPLCPSP?\FWQGENVEVVIDDR LPTKNGQLLEPLHSEQNEPWSALLEKAYAKLNGCTBALAGGSTV EGPEDFTGGLSEFYDLKXPANLYQIIRKALCAGSLGCSI DVY SAABEAITSQKLVKSHAYSIVGVVEVNFQGHPEKILIRLNPWG EVENSGANSDDAPEWNHIDPRRKEBLDKRVEDGEFWMSLSDFVR QPSRLRICNLSPDSLSSEBVHKNLVLFNCHWTRGSTAGGCQNY PGSS</p>
6081	3	865	<p>EMLEPLLPLPILWA/GALAQDARFLEMPESVIVQEGLCIFVHC SVFYLETGKNDSTPAYGHNFRGVSVQDPTFVATNNTQEVQKE TQGRPHLLGDPSERNCSLSIRDARRRNGSYFPWARGRTKFSY KYSPLSVYVITALTHRPDILPEPLKSGHPSNLTCSPWVCEQGT PPIFSWMSAAPTSLGPTLHSSVLTIIIPRQDEGTNLICQVTPP GAGVTTERTIQLSVSWKSGTVREVVLAVGVAVKILLCLCLLI ILSFHKKCAVRAVEEENVAVMG</p>
6082	283	1288	<p>EARSFGPTQTRTAPGLAAGLAQPAALRLLLSRPPSAAMDGDGD PESVGPPEEASPEEQPEEASAEKERPEDQEEKAAAAA\Y\LDL LPEPLA/LRVLAALPRHE\LVQACR\LVCLRWKBLVDGAPLWL LKQQQGLVPEGGVEERDHWQGFYPLSKRRRNLEENPCGEEDL EGWCDVBEHGGDGRVVEELPGDSGVEPTHDESVEKYPASSFEWCR KAQVIDLQAGYWEKLLDTTPATVVRWDYSGRSDAGCLYKLTIV KLLSERENVLAEFSSGQVAVPQSDGGGWMBISHTPTDYGPGVR FVRPEHGGQDSVYKRWFGARVINSVWVEP</p>
6083	1865	309	<p>KQCAERRGLGMSLADLILADLEAAABEEGGSYGEBEEPALE</p>

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			DVQSEFQDLSDGDSVKTIAKLWDSKMPABIMMKIEEYISEQAKA SEVMGPVEAAPPYRVIVDANLTVIEINELNI IHKFI RDKYSEK PPELSLVFNALDYIRTVEKLGNSLDKCKNNENLQOILTNATIM VVSVTASTTQCGQLSEELERLEKACDMALBLNASKHRIYBYVE SRMSFIAPNLSIIIGASTAAKIMGVAGGLTNLSKMPACIMILG AQKRLSGFSSSTSVLPHTGYIYHSDIVQSLPPIPPPPSVAP\DL RRKAARLVAAKCTLAARVDSFRESTEGKVGVELKDEIERKFDKW QEPFPPVQVKPLPAPLDGQRKRGGRYRKMKERLGLTEIR\EQ AERMSFGEIEEDAYQEDLGPSLGHGKSGSGRVRQTQVNEATEA RISKTLQRTLQKOSVVYGGKSTIRDRSSGTASSVAFTPLQGLEI VNPQAEKKIVAEANQYFSSMAEFLKVGKESGLMST
6084	1865	309	RQWCAERRGLGMSLADELLADLEAAKEKEGGSYGERREEEPATE DVQSEFQDLSDGDSVKTIAKLWDSKMPABIMMKIEEYISEQAKA SEVMGPVEAAPPYRVIVDANLTVIEINELNI IHKFI RDKYSEK PPELSLVFNALDYIRTVEKLGNSLDKCKNNENLQOILTNATIM VVSVTASTTQCGQLSEELERLEKACDMALBLNASKHRIYBYVE SRMSFIAPNLSIIIGASTAAKIMGVAGGLTNLSKMPACIMILG AQKRLSGFSSSTSVLPHTGYIYHSDIVQSLPPIPPPPSVAP\DL RRKAARLVAAKCTLAARVDSFRESTEGKVGVELKDEIERKFDKW QEPFPPVQVKPLPAPLDGQRKRGGRYRKMKERLGLTEIR\EQ AERMSFGEIEEDAYQEDLGPSLGHGKSGSGRVRQTQVNEATEA RISKTLQRTLQKOSVVYGGKSTIRDRSSGTASSVAFTPLQGLEI VNPQAEKKIVAEANQYFSSMAEFLKVGKESGLMST
6085	2	1456	SGPRSPQGNRAVRIGSLGGRNPFVTLFGVSSERVRRRRARV GVARVVKGNFMPKSPATQVPR/VPAQVYLPGRGPLRBEKELVM DBEAYVLYRAQTGAPCLSPD IVRDHLGNRTLP/LTLYLCAGT QAESAQSNRLMMLMHNLEGTCKPPSEGSDEEKEDEDEDEEER KPQLELAMVETGGINRVSVNLGERPVAGVMSKQGVVFPALR RLQVVEBPQALAAFLRDEQAQMKFIPSFAGHMGEGFALDWSPR VTGRLLTGDCQKNHLMWPTDGGSHVDQRPVGHTRSVEDLQW SPTEHTVFPASCADASIRIWDIRAAPSKACMLTTATAHGDVNV ISWSRREPFLSCGDDGALKIWOLRQFKSGSPVATPKQHVAPVT SVEMHPQDSGVFAASGADHQITQWDLG/ IVERDPEAGDVADQG LADLPQQLLFVHQGETELKELWHPQCPGLLVSTALSQFTIFRT ISV
6086	2419	1357	GARTONGGAMNLLPCNPHNGLLYAGFNQDHGCFACGMEGFRV YNTDPLKKEKKEFLEGGVGHVEMLFRCNYLALVGGGKKPKYPP NKVMWDDLLKKTIVIEIEPSTEVRKAVKLRR\DKIVVVLGMIKV PTTHTNF\HQLHVPF\TCYNPKGLCVLCPNSNNSLLAPPOTHTG HVQLVDLASTEKFPVDIPAHEGVLSICALNLQGTILATASEKGT LIRIFDTSSGHLIQELRRGSQAANYCINFNQDASLIVSSDEG TVHI PAARDPKRNKQSSLASASFLKPYFSSKMSFKQVPSGSP CICAFGTENAVIAICADGSYKPLFNPFGBCIRDVYAQPLEMT DDKL
6087	476	1877	QNSORTGLPTITFSESFPLLTGSDLCENMPCTCTWENWQNI RP LVAVIYLVSI VAVPLCVBELQKLEVGILHTQWPIAGIFLLTI PISLAVILQHLVHYTQPELQKPIIRILWMPYIYSLPSWIALKYP GIAIYVDTCRECYBATVIYNFMGPLTNLYLTNRYPNLVILLEAKD QQEHFPPLCCCPNMGVEVLLFRCLGVLOYTVVRPPTTIVALI CKLLGIYDEGNFSPSWANTYLVIIINMSQLPAMYCLLLFYKVLK EELSPIQPVGKFLCVKLVVFSVWQAVVIALLVKGVISEKHTW EQQTVEAVATGLQDFIICIEMLAALA\HHYTFSYKPYVQEABE GSCFDSFLAMNDVSDIRDDLSBQVHVHGRVTRGHPKCLPFEDQ DQNEHTSLLSSSSQDAISIASMPPSPMGHYQGFHTVTPQTTF TTAKISDETLSDTIGKKKPSDKSVDS
6088	1684	689	GASGLVRLQQGHRCLLAPVAPKLVPVVRGVKGFRAAFRQKE LERQRLLRCPFPVRSEKPNWDYHARTQAFGHRLOENFSLDLL KTAPVNSCYIKSEAKRQQLGIRKEAVLLNLSQHLSEQGTSP SQTCLTQFLREYPMPTGINKLVDFLTGERVVCHVARNLAVE QLTLESEFPVPAVLQOTFFAVIGALLQSSGPRTALFIRDPLI TQNTCKELFEMNKIINPMGLLVEELKURAVSAPESRLTRQSGVA

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6089	3	3054	PTALELYFVGLYCDKRLIABGPGETVLVABEEAARVALRKLYGF TENRRPWNYSKPKETLRAERSITAS TRLGIPGSTISSRPRICALAABGHFLGHSWTGSRAGAHTGAPAW PSRRLRLDLPAAGMMRLRRAAVACEVCCSLVKHSSGIEGSLPLQK LHLVSRSTIYHSHPTLQLRPPQLRTSPQFPSSLTNLPLRLKFE PIKYGYQPRNFWPARLATRLKRLYLILCSAVGGGYTAKCTPD QWQCMIPDLSEYKNIIVPDIWVEIDEDYIDPEKIRKALPSSDLVK LAPDFDRIVEBSLLKDPFTSGSPRETAFRATDRGSESDKHPFK VSDKEKIDQLQRELLHTQLKYQRILEHLEKENKRLRLVLQDD EGIPFTIESLRKSLIDMYSEVLVDLSDYDASTYNTODHLPRVVVVG DQSAGKTSVLEMTAQARIFFRGSGEMMTSPVIVTLSECPHVA LFDSSREPDLTKEEDLAALRHEIKLPMKKNVKEGCTVSPETIS LWVGPGQLQRMVLVDLPVINTVTSGMADTKETIPSIKAYMQ DPMALILCIQDGSVDAERSIVTDLVSEQMPHRRRTIFVLTKVLD AEKNVASPSRIQQIIEGKLFPMKALGYFAVVTGKNSSSESIRAI REYSEBFPQSKILRTSMKAEQVTTNRLSLAVSDCFWMMVRES QQQADGFEATRPKLETEWKNKYFRLRELDRELFEKAKNELD EVISLSQVTPKHEEILQQSLMERVSTHVIENIYLPAAQTWNSG TFNTTVDIKLKWTDQLPNKAVEVANETLQEBFSRPMTEPKGK EHDIDFKLEAVKESIKRKHWDPEDSLRVLQMALEDORSI SDKQQWDAIYPMKALQARLEDTENALRMVGPDWKRNLYN KRTQEQCVHNETKNELEKLLKNEEHPAYLASDRIITVKNLE SRGVEVDPDSLKIDTWHQVTRRHPLRTALNHCNLCRGFYTYQRH FVDSLELCNDVVLFWRIQRLAITANTLROQLINTVRLLEKNV KEVLEDFAEDGEEKIKLITGKRVQLAEDLKKVREIOEKLDAPTE ALHQEK
6090	194	1560	PVFFYPAGGAVLEQAS/ASPLATQTVPVLPQRCRIPLEPVQASTL FELQLFFQQLIALFVHYINIKYKTWVYPPSPHPSHTSLNPHLID PQLLMVTTVLGRNPTGSIKVEASQRCQKSLSPRSILFLTRFTV LTATGWSLCRSLIHLFRTYFPLNLL/PLLSVMDVHVSVAABL PARRTSLFNHMASHPREAVSGLAKSRDYLLTLR/RRGSSQDS CMARTPCP/PHACCLSPSLIRSEVFLMDPFWNMKEVLVSSML SAYTVA/VFVVRPVKTYHYIDKRWSCBLFLLVSISTSVILQHLL PQSVCDLHKAARHLGCQIXVDPALCSNVLQHPWTEOMWPGV LVKSKENVYKAVGHYNVAIPSDVSHFRPHFFPSKPLRLILLLL LEGAVIVTQLYSLWSESKWEQTSIALILFSPNYVAFKLLRDL VLGKAYSYSASPOQDLDHRPS
6091	3279	412	SSNTREMEKKHILRRQIRLLQGLIDDYKTLHGNAAPAGTPAAG WQPTTYHSGRAPARYFRPSPRGYSSHEGSPNRKRTSLVNRPPG PSDFPADHVRPLGARGGQFPVPOQHVLGRQVOLSOGGNVVK VKPPSKSGSASASGAORGSLEEFEDTWNSDQRPRBGEGERFRGO LQPSRPTTRAGTCSVEDPFLVCQKRGKPRMVKSVMGSGDSPRE PRRTVBSVIAVKASFPSSALPPRTGVALGRKLGSVASCAPQ LLGDRVDAGHTDQVPVSGSVGGPARPASGPRQAREASLVVTCR TNKFRKNKYKVAASSKSPRVARRLSPRVAENVCKASAGMAN KVEPQILADPBPPIKPAATSKPGGAPSKYKXKASSPSASSSS SFRPQSEAGSKORASQLSPVLSRSPSGD/REAVGHSGLKPLSGE TPLSAIKVKSRTKILRRRGSTSLPQDKSGTSPAATAKSHLSLR RRQALRGKSPVLKKTPTNEGLVQVTTIRLCRLPPSRAHLPTEKA SSLHAVRTAPTSRVKTRVRIVKKTPASPLSAPPFPLSLSPNRA RLSLSRSLVLNRLRPVAVSGGKAQPCSPWWSKGYRCIGGVLY KVSANKLSKTSGQPSDAGSRPLRLTGRLDPAGSCSRSLASRAVQ RSLAIIRQARQRREKREKVCMYTNRPGRCNRGERCFYIHDPEKV AVCTRFEVGTCKRTDGTCPFSHVSKKMPVCSYPLKGISNSN CPYSHVYVSRKAEVCSDFLEKGYCPLGAKCKOCHTLCPDFAREG ACPRGAQCOLLHRTQKHSKRAATSAPGSPDATARSVVSASHG PRKPSASQRPTRQTPSSAALTAATAVAAPPHCPGSGASPSSSKAS SSSSSSSSPPASLDHAPSLQRAALAAACSNRLCKLPSFISLQS SPSPGAQPVRAFRAPLTKDSGKPLHKPRL AEAPPTGESSEPEAKVLTKRLYRAVVEAVERLDLILCNKTAYQ EVPKPNISLRNLKRLCKVLMPLHPVDYGRKABELNREVVYIE
6092	143	3190	

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			<p>VIQLIKTNKKHLSRSTLECAVTHLVAGIGFYQHLLLYIQSHY QLELQCCIDWTHVIDPLIGCKKPVASCKEMDWAQMACRCLVY LGDLSRYQNELAGVDTLLAERFYYQALSVAPQIGMPFNQIGTL AGSKYYNVEAMYCYLRCIQSEVSFEGAYGNLRRLYDKAAKMYHQ LKRCETRKLSPGKKRCKDIKRLLVNPMYQLQLQPESSSVDSKL TSLCQSVLEDPMCLFYLLPSSPNLSLASEDERREYBSGYAFLPDL LIFQMVII CLMCVHSLERAGSRQYSAALAPTLALFSLVNEVNI RLQAELEGENPVPAFQSDGTDEPESKRPVKEKEEPDPPEPPVT PQVGEGRKSRKFSRLSCLERRRHPPKVGDDSDLSGCPESDSDSD SARASBGSDSGSKSLGEGGTAFDAETDSEMNSQESRSDLEDMR EERGTRSPTEPPRGRSEAPDSLNGPLGPSEASIASNLQAMSTQ MPQTKRCPLAPTFNLLIQPTTNPHTSASHRPCVNGDVDPKPSR PASREGSRESGSESSGRCRNERSIQEKLOVMABGLLPAVKVP LDWLRTNPDLITVCAQSSQSLNRLSVLLNLLPAGELQESGLA LCPVQDILLEGCLEPDLPSILLPEDMALENLPPLRAAHRFPNF DTDRLPSTLEESVVRICCRSPGHFIARLQGSILQPNPEVGIF VSLAQSEQBSLLQQAQAFPMQAEARENRIMRDMAQLRLQLEV SQLESSLQPKAQSAMSPLYLPDQALCHHLFVIRQLATSGRFI VIIPTPTVIDGLDLLKREHPGARDGIRYLEAEFKGNRYIRCKR VGKSFERHKLKRDADAWTLTKILDSCKQLT\LAQGAGEEDPSG MVTIITGLPLDNPSSLSCPMQAALQAAAHASVDIKNVLDIFYKQW KEIG</p>
6093	76	1002	<p>ACORRAMLAIRVART/SRWGAL\RGAVNAPGTRPSKRRACWALL PPVPCCLGCLAERWRLRPAALGLRLPGIGQRNECSGAGKAAPR\ PAAGAGAAARAPGGQWGPASTPSLYBNPWTIPNMLSMTRIGLAP VLGYLIIEEDFNIALGVFALAGLTDLLDGF LARNWANQRSALGS ALDPLADKILISILYVSLTYADLIPVPLTYMIISRDMILIAAVF YVRYRTLPTPTLAKYFNPCYATARLKPTFISKVNTAVQLILVA ASLAAPVPNYADSIYLIQILWCFTAFITTAASAYSYYHYGRKTQV IKD</p>
6094	23	1010	<p>PFLRCLBGDQKARMSERKVLNKYYPDFDPSKYPKLKLPDRQY VVRIMAPFNMCRCKTCGEYIYKGRKFNAKETVQNEVYLGPIFR FYIKCTRCLABITFKIDPENIDYIMHGAIRNFPQAEKLEEBEK EVQKEREDBELNPMKVLNRTKDSKLEMEVLENLQELKDINOR QAHVDFEAMLRQHRLSBEERRRQOEDEQSTAALEBARERRL LEDSDSEDAAPSPLQPALRPNPTAILDEAPKPKRKVEVWEQSV GSLGSRPPLSRLVVRKARADPDSCNGQPOA/APHERSPABQEG GQPYT2DANRVLPEPTGCIPOQ</p>
6095	1	1599	<p>TRGRAERSRGRGHGFLGGGFA\SVVDYFPSEDFYRCGYCKNES GSRSGMWAHSMTVQDYQDLIDRGWRRSGKYVYKPMNQTCPPQ YTIICRPLQFPQSKSHKVLKMLKFLAKGEVPGKSCB\DEPMD STMDDAVAGDFALINKLDIQCDLKTLSDDIKBSLESEGKNSRKE BPQELLQSQDFVGEKLGSGBPSHS</p>

TRADOC:1416257.1(CSH011.DOC)

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			VKVHTVPKPGKADLSKPPCRKAKEIRKRRRLKLMQONPAGKL EGFOAQGHPPSLFPPPKAKSNQPKSLEDLIFESLPENASHKLEVR VVRSSPPSSQPKATLLESYQVYERYQMVIHKNPDTPTESQPTR PLCSSPLBAETPPNGPCDGYGSPHQYWLGGKIIVGVVIDILPN CVSSVYLYTDPDYSFLSLGVYSALREIAFTQLHRTSLSYTY MGFTLHSCPKMKYKGYRPSDLLCPETIVVVFIEQCLPSLENSK YCRFNQDPEAVDEDESTEPRDLQVPHKRAIMPYGVYKQKQKPS EBAVLQYASLVGQKCSERMILLPRN
6096	2277	575	QRVRAALSSAMEDSRALGFEHMGDLPRLLQAVTDLGWSRPTLI QKKAIPALBGLARARTSGSKTAAYAIPLQLLHKKATGP VVEQAVRGLVLPFKELARQAQSMIQQALATYCARDVEVANVSAA EDSVSQRAVLMEKPDVVVGTPTSRILSHLQDLSKLRLSLV DRADLLSPFGFEELKSLCHLPRIYQAFIMASATFNEDVQALKE LILHNFTVLKLESQPLGPDQLQFQVVCSTEDEKPLLLYALKK LSLIRGKSLFPVWTLERSYRLRLPLEQPSIPTCVLNGHLPISR CHII SQPNQGFYDCVLTDAEVLGAPVRGRRGRGPKDKASDP EAGVARGIDVEHVSAVLNFDLPPTPEAYIHRAGRTARANNPGIV LTFVLPTQPHLGLKELLSGENRGPILLPYQPRMBIEGPRYR CRDAMRSVTQAIKRALKIKELLSKELKTYFEDNPR/DLQ LLRHDLPLHFAVVKPHLGHVFDYLVPPALRGLVPRHKK/GRSCL FLVGRPREQSPRTHCAASSTKRNKSDPQSPPEVVGPLNS
6097	1673	192	APGTNSGGKKSSPQITSVTTOYEGFGSPGASDPPTQPPPTGPP PRLNNGEPPSPDGGKGTWENGSPFFGAPSSRFVVKLFHGLGEP YRRGRWTCVDVYERDLRPHSFGGLLEGIRGASGGAGRSLSRL ELASLGLGAPTPPSGLSQGPTSHLRPPPTSPGPQARSFTGGLGQ LVVPSKAKAKPPLSAGSPQQRPEPETGSSAGTSRAATPLPSL RVEARAGSGGARTPPLSRKAVOMRLRMELGAPREMGQVPLDS RPSSPALYFTHDASLVHKSPPDPAVAQAQKPSLARSMLAISGHL DSDDDSGSGSLVGIDNKIIOAMDLVKSHLMFAVREKEVLEKQI RELARNAALBQENGLRALA/SPEQLGSAGPPRGVPR/LGPPA PNGPPVLSLSLTIVPLGLPLASAAWPLMPALIVVPPGVG VDALSNPWSPGPLPHLLIIPSLDGGGEGFTGRQQAAPGEBT QPPPSLPGTPOQ
6098	168	1074	NYCLRHRSPLKEDSSPGSSSTSLIKKQRETSOTPIHRAKRLD EGKIPKNWGTQTKEDTSNINPRQTETSVAASRSPKCAQQRQK RLNSAQSSSLPPSHRKSSTPTKREIMLTPTVTVAYSPPKRSPE NLSPGFSHLSKNESPIRFDILLDDLTVPVSTLQRTNPRKQL /QFLPLDDSEK/TYSEKAT/DNI VNHSSCPRPVPGVKVSVR TAMKRNKSVSYEQCKPVSVTPQGNDFBYTAKIRTLASTERFF/D ELTKKQDI EAALSRMPSGGRITLQTRINQEAAPGRSFGKD
6099	168	1074	NYCLRHRSPLKEDSSPGSSSTSLIKKQRETSOTPIHRAKRLD EGKIPKNWGTQTKEDTSNINPRQTETSVAASRSPKCAQQRQK RLNSAQSSSLPPSHRKSSTPTKREIMLTPTVTVAYSPPKRSPE NLSPGFSHLSKNESPIRFDILLDDLTVPVSTLQRTNPRKQL /QFLPLDDSEK/TYSEKAT/DNI VNHSSCPRPVPGVKVSVR TAMKRNKSVSYEQCKPVSVTPQGNDFBYTAKIRTLASTERFF/D ELTKKQDI EAALSRMPSGGRITLQTRINQEAAPGRSFGKD
6100	2	713	FVEVSGYRSRADPEPRGRDTMTYALFKYIIIGDTGVGKSCLL QFTDKRFQPVHDLTIGVEFGARMVNLGKQIKLQIWDTAGQBSF RSITRSYYRGAGALLVYDITRRETFNHLTSWLEDARQHSSNM VIMLIGNKSDLESRRDVKREGEAFARR/HGLIFMETSATACN VERAFINTAKEIYRKIQQGLFDVHNBANGIKIGPQQSISTSVGP SASQRNSRDIGNSGCC
6101	1	1399	FRGRANPLREVSHNLGCRRCVCSWSASWGRLPALSARLSPLLA GKMPVPLSCAVQQYAGKMGNSSEVARILLASSDPLAQIAEDKPY ABLWMTGTHPRGDAKILDNRLSQRTLSQWIAENQDSLSGSRVQDTF

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			<p>EGNLPFLFKVLSVETPLSIQAHFNKELARLHLQAPQHYPPDANH KPEMALALTPPQGLCGFPVREIVTFLKKVPEFQFLIGDRAATH LRQTMSHDSQAVASSLQSCPSHLMRSERKVVVEQLNLLVKRLSQ QAAAGNNMEDIPGELLILQHQYYPGDIGCPAIYPLNLLTLRPGR AMPLEANVPHAYLKGDCVECMACSDNTVRAGLTPKFTDVPTLCE MLSYTFSSSKDRLLPLFTRSOBDFLSYDPPVDPPTIMKA\ETP G\SVTRYKDLALDSASILLMVQGTVIASPTTPTTPTPIPLQGGVL FIGANESVSLKLTETPDLIFRACCLL</p>
6102	70	2415	<p>QTFQATLAANGAEDSRGGEMLPAGETIGASPAAPCCSESGDEREN LEEKSDINVTVLIGSRQVSEGTONGDLPSTVSAPIEKEVGNDLK SLKKLKLQBQRTVSMQLEBQVLTSSIEPIKRIIRSAKNABES KQPLNQFLBQETHLPSAINSHLLTAQPMDDLGTMISQIEEIER HLAYLQWISQIEELSDNIQYILMTNIVPEASTLVSMARLDIKL QESSCTHLGPMRAIVKFWKILDKLITSDFERILAQHLWPFIA PQSQTVGLSRPASAPRIYSVLETLFQQLKLQTSHELITPK HSQKNTLFLPPLSS/WPIQVMLTFLQKRFYHFRGNRTNVLG KPEWLAQVLMNIGNHTEFLDEKIQPILDEVGSLVNARLEPERG LNMLVLEKLATDIPCLLYDDNLFCHLVDEVLLFERELHSVHGYP GTFASCMHILSEBETCFQRNLTVERKFAQEMDSMLSSRAAWVSQ YKDIITDVEEMKVPDCAETFWTLLLVITDRIKMLPTASRLQFLE LQEDLVDDFRIRLTQVMKESTRASIGFRYCALLNAVNYISTVLA DHADNVFFLQQAALVFAENNTLSKLQGLQGLASMESSVFDNM INLLERLKHDMILTRQVDHVFRVKKRAKLYKKERNLSPSQSEQ AVMSLSSSACPILLTLTRDRLQLEQLCFSLERIWMQMLVEKLD VYIYQBIILANHFNEGGAQLQFDMTRNLPLPFSHYCKRPENYF KHIKKACTVLNINVGSAITAGKDVLPVOLQGSFPAT</p>
6103	207	2523	<p>ESNSTMTTYLEPIQONEERDGVRFSSNNVWPFSSRLBATRMVVPVA ALFTPLKRRFDLPPIQYEPVLCSTRTICRAVLNPLCQVDYRAKLW ACNFCYQRNQFPSPYAGISELNQPAHLEPQFSSIEYVVLRGPM PLIFLVVVDTCMEDDLQALKESMQMSLSLPPALVGLITFRG MVQVHELGCBGISKSYVPRGTDLQSAKQLQEMGLSKVPVTQAT RGPQVQPPPSNRFLQPVQKILMNLTLGLQRLQDEPWPVQGR PLRSSGVALSIAVGLLECTFPNTGARIMFIGGPATQGPCHVVO DELECFIRSWHDIDKDAKYVKGTHPEALANRAATTOHVIDI YACALDQTLLENKCCPNLTGGYVMVGDSPNTSLFKQTFQRVFT KDMHGQPMGPGGTLEIETPR\RIKISGAIGFCVSLNSKSPCVS ENEIGTGGTCQWKICGLSPTTTLATYFVVOBNAPIPGCG\RG A\IQFVTOY\QHSSGQRLRVTTIARN\WADAQTQIQNLASFD QBAATLMARLAIYRAETEGFDVLWLDRLIRLCQKFGYHK DDPSSFRPSETFSLYPQPMFLRRSSPLQVFNNSPDESSYYRHH FMRQDLTQSLIMIQPILYAYSFGPPFPVLLDSSILADRILIM DTFPQLIYHGTIAQMRKSGYQDMPFENFRHLQAPVDDAQE ILHSRPFMERYIDTEHGGSQARFLLSKVNPSQTHNNMYWQGES GAPILTDVSLQVPMHLLKLAUSSAA</p>
6104	124	732	<p>KVSEYIILSKDKILPHALAMLVLVSPNSAARGVLRNYWELLR KLPQSRPGFPSPPGPALAVQ\AQPCLSQCMIPVEVKRI/RS/L LDSIPWMAAPKNRRTIBVFRERRRNPQLIKVNNIDVCECCH LKQKHVLCAVCYKVKCTABIRRIQKQEGGPFKAPTITETVVL YTGETPSEQDQGERI IERDRKUPSNTQN</p>
6105	3	989	<p>PLHGACTSLVLRFCRRRPPCAPARPEDMRRPAAPVPLLLCLCP GSQRAKATAACGPRMLANMVGGQDTQECENPQVSIORNGSHF CGGSLIAEQWLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAM YARVRQVESNPLYQGTASSADVALVLEAPVPEFTNYTLPVCLPD PSVIPTETGNCVVTGWSPEEDLLPEPRILQKLAVPIDT\PR CNLLYSKDTETGYQPKTIRNDMLCAGFBEGKDAKGDAGPLV CLVGQSWLQAGVISWEGCARQNRPGVYIRVTAHNNWIRIIPK</p>

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6106	3	1302	LQVQPSSEVGRPFVTPPGGAP GRPPTAFHTGRPTANEGDPRDLKRCARILITSIESGRPAAS AGLRDRDCALERNPLRRAPLARATRRRAGSPRRCAPRPACPOG WSRARHQPGGLCLLLLLCQFMEDRSQAQCNHLRQAKNGEQV LYKTELSKEECCSTGRISTSWTEEDVNDTLFKWMI FNGGAPNC IPCKETCENVDGPGKRCRMNKNKPRVCAPDCSNITWGPVC GLDGKTYRNECALLKARCKEQPELEVQYQGRCKCTCRDVPFGS STCV\VDQTHNAYCVTCNRICPEPASSEQVLCGNDGVTT\SAC HLREATCLGRIGLATEGKCIKAKSCDIQCTGGKCLWDFKV GRGRCSLDELCPDSKSDPVCASINATYASRCAMKRAACSSGV LLEVKHSGSCNSISDTEEREREDQDYSFPISILEW
6107	623	168	SRCSSEPRFPGRGGRK/LSPEHRKNVEVFKACDEHKGYSRE DFKTAUVMLPGYXPSKLEVDVMSINPFTSGILLGFLNIVRK KBAQRTRNEVRHIFTAFDTYRGFLTEDFKAPRQVAPKLE RTVLEVFRE\DRDS\DGHVSP
6108	3	1348	GGSLRFPFRVPSCSRVPFVPPGGGGLSPMSASRFQSPPTPW CLPRRYMKHRDDGSPKQEDKAVDVTCTVVMCCSNLVLL YYFYDLLVYVIGIFCLASATGLYSCLAPCVRELP\SASAGESA LLAPTIPNNSLPYFKRPQARMILLALPCVAVSVVRGVPREDO WAWVLQDALGIAPCLVMLTIRLPTFACILLLVLELYDIPFV PTTPTLTKSGSSIMVEVATGSPDSATREKLPNVLKVPRLNSSPL ALCDRPFSILOPGDILVPGLLVAYCHRFDIQVQSSRVYFVACTI AYGVGLLVTFVALAIMRGQPALLVLPCLVTS CAVALRRREL GVFWTSGGFAKVLPPSFMAFAPADGPQPPKDSATPLSPQPPSBE PATSPNPAEQSPKRTSEMGAGAPMREPGSPAESGRDQAQPS PVTQPGASA
6109	1	1381	CRSRAGAASGGAILGFKLRQRVDITNKLDPPLVPSALRAAMLY LEDYLEMIQQLPMDLRDRPTMRREMDLQVQAMQDLEQRVSEFF MNAKENKPEWRREBQMASIKKDYKALEDAERVLQANQIYDLVQ RHLRKLQDLAKPKMLEADNAGITRILERRSLRLDTPSQPVN BHAHSHTPVKRYNPTSHTTIDHIEKKFSEALLSTLTSDA SEKNTLCRRNNSTASSNNAYNVNSQPLGSYNIGSLSSGTGAG GI\TMAAAQAVQATAQMKRGRTSSSLKASYEAFKNDPQLCKEP SMARETVGYSSSSALMTLTQNASSAADSRSGRKKNKRS6S QSSSSSSSSSLSSGSSSTVVQELSQQTIVVPESD8NSQVDWT YDNEPRYICINQVS YGENVGC DTQDCPIEWFHYGCVGLTRAPK 8KWCPCQCT\AAHKRGRSRHK
6110	77	2464	ACPSAATMSDODHSMDENTAVVKIERGVGNNNGGNGGGAPFQ ARSSSTGSSSSSTGGGQBSQSP LAIJAATCSRIESPNRNSNNS QGSPQSGGTGELDLTATQLSQGANGWQIISSSSGATPTSKEQSG SSTNGSNGSSEKRTVSGGQYVVAAPNLQNOQVLTGLEGVMP NIQYQVIFQFQTVGQQQLQFAATGAQVQDQSGGQIQIIPGANOQ IITNRSGGNI IAAMPNLQQA VPLQOLANNVLSGQTQYVTHVP VALNGNITLLFVNSVSAATLTPESQAVTISSSGSGESGSPVTS GTTISSASLVSSQASS6SFFTANASYSTTTTSMGIMMFTTSG SSGTSQGGTQPRVSGLOGSDALNIOGOTSGGSLQAGQKRE Q\NOOTQAPKSI SRPQLVQGG\QALQ\AFQAPLSGQTFTTOA ISQETLQNLQAVPNSGPIIIRTPTVQPNQVSMQTLQQLQ VONPQAQTIITLAPMQGVSIGQTS88NTTLTPIASAASI PAGTVT VNAQLSSMFLQTINLSALQTS8IQVHP IQGLPLAIAHAPGDH GAQLGLHAGGDIHDDTAGGEGGNSPDAQPQAGERTREACT CPYCKDSEGGSGDPGKKKHICHIGCGKVYKTSHLRAHLRW HTGERPFNCTWSYCGKRTSRDELQRHRTHTGKRPACPECPK RPMESDHL8KHITHQNKGGPGVALSVGTLPLQSGAGSESGT ATPSALITTMVAMBAICPEGIARLANSGINVKEGGQPCSPINT SANGF

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6111	1637	797	RVDPRVRGANAPWGRRLAGVRGVLDDISGVLVDSGRGGTAIAG SVEAVARLERSRLKVRPCTNESQKSRAKLVGQIQRLGPDISEQR VTAPAPACQILKEBGLRPYLLIHDGV\ASEPDQIDTS/STENC VVIADAGBSFSYONMNAQVILNRLKRPVLSISLGRYVYKETS LMLDVGPYMKALEYACGIKASVGGKPSPEPFSALQAIQVEAHQ AVMIGDDIVGDVGGACRCGRALQVTRTKFPSPDEHHPFKADG YVDHLAEAVDLLQRADE
6112	77	196	MSSHKSFKSERFLAKKQKPNRPILOWINLKTGNKIRHNWK
6113	1779	567	WBGRSNACGVLEQGAMGERSGVRAESFSGERADVSWNSRQL BTNVDLIANTBINSQRIAAVESCFCASGQPLALPGRVLLGEGVL TKPCREKAKPRIFFLPNDILVYGSIVLNKKRYRSQHIIPLEEV LELLPETLQAKNRWHIKTAKKSFVVSAAASATERQBSWISHEECV RRQLRATGREP\STEDAAPWLPDKATD\CMCTQTRFSAITRRH HCRRCRVVVCACSRQRFLLPRLSPKPVVCSLCYRELAQQRK BEABRQGGVPRASHLARPICGRFVEMTIMPTTRRAAGTATG PAAWSSTPRGWFGLPSTADPPPAEHLSPSLHCPGPOECSSRSC PGLRDP\IPWQVQRNGVALSGLPVPPCWTLCPTGFTAGNAPFPR KPNTHRSW
6114	818	246	PTSRPFPSPGSPAMSWACVSAAPSSSWPSSSWPSPRCCTR RRRCSPROGLAAGSHMCSCSPSWRCTFVPACNPSPPP\PAEQVQC GHLPPHADREALELVAAPARGPGQHPAGPAPPRPARTPPASP HOFGRPTVPAPPCPLAATBPTPSRPHQRWTRDRMLGRSSQVT GRPQWFLRGLVLFSL
6115	324	71	DVCGRVCAHPHLYTHIMMHCARAC\ITHAQLC/ITASHALAH SHLYTCMVMLTASHTPSHTHPHTAVHKSHRADVLRLTLPRL
6116	595	1430	TGVMPFGRNHAR/ISSSGPVPEGARA/LQTVKKEBDESYTFVQ AARPQTLNRPQQLFRQLFRQLRYHSSGPLETSLRLRLCRWN LRPDLVSKAQILELLVLEQPLSILFGLRLVWVQLHNPESGEE\I NPCRSCRGTLMGHPGGTRALP\BPRCALDGYRS\LRSAQIWSL ASPLRSSALGDHLEPPYETEARDFLAGQSDTPAAQMPALFPFR GCPGDQVTPTRSLTAQLQETNTPTDVEVTFQDEWGWLDQAQRN LYRDVMLENYRMAASLCK
6117	1433	222	VGVFSPAPPCSNWVGPGGGTPGILKEGQGGRTPLLLLATRTR GLSLFPPAAMHPAAPPFLPVVVAVLHGAAPTRGLIRATSEHNA SMDPADLPALPGATLSQELQGFVLAHPDACSPIAPPPTAPV NGSVFIALLRFPDCNFDLVLEAQAAGYGAAVVENVNSNELLAM VWNSHEIQQINIPSVFIKERSSEYLRALPVYKGRVLLVPDN TFPLGYTLIPFTGIVGLLVLANGAVMIARCIQHKRLQNRKLT \EQLAQI\PTHYQKSDQYDVCAICLDEYEDGDKLRVLPCHAY HSRCVDPMLTQTRKTCPICRQPVHRGPDQEDQSEETQGGEBGR GEPRDEPASERTPLGSSPTLPTSPGSLAPPLVFPSTOPPL SPFSSPVILV
6118	1044	247	STISCRACSTGATPGAQSHRSARGHAAGGKETAALGMRGRVKR KKEKKTQKKIGENGRKRVKKEVBOKIKOBKQKQERRRKGK KKEKKTQKQKKTNKEKQKQKQKQKQKQKQKQKQKQKQKQKQ NEQILVLQDQAGKTSVLHSLASHRVQHSVAPTQGFHVCINTE DSQMEFLIGCSKPFSTWEMYLSN/ADSLARSFVGVFKQDSQP ITWAKKYLHLQIAANPVLPLVVFANRQDLAAHYHTDIEHALA II
6119	1217	462	DPRFVTNTTKAPAQKRTTQPRSSRPGLTRSTMEYLSALNPSDL LRSVSNISSEPGRRVWTSAPPQRPFRVCDHKRTIREGLTAATR QELLAKALEFTLLAKVLTVLLEEDGTAVDSEDFFQLLEDDTCLM VLQSGQSWSPTRSGVLSYGLGRERPKHSDIARFTDVKQKQNR DLFGSLN/KATFYGLYSMSDFQQL\GPKRVLRLLRWTSLLQ GLGHMLIGISSTLRHAVEGABQWQKGRHSHY

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6120	785	179	LERAGGGGLSSRALVSGACLSLVARANGKLPGRKEFVBAVR VRYVAFRYRTPRAVCLRLWSCRREVMSGRGKQGGKVRKAKEGR SSRAGLQFPVGRVHRLLRKGNIAERVGAGAPVYLAADVLEYLTAE ILELAGMAARDNKKRTIIPRHQLAIRNDEELAKLLKVKVIAQG G/VLPNIQAVLLPKTTESQKDEGANDP
6121	1612	107	FVRAQAGSGRQPVVERPLLQAGSRRLCRSCGRMEPLKVEKATAN EGNGLRAVTFRLRPGRLFRSDPLAYTVCKSGEGVVCORCLGKE KLMRCSCQCRVAKYCSAKCKEAWPDHRRCKTLESCKEPPYFDS VRLGRVVFRLMDGAPSESEKLYSPYDLESNTINKLTEDKKEGLR QLVMTFQHFMRREIQDASQLPPAFDLFEAPAKVICNSPTICNAE MQEVGVGLYPSISLLHSCDFNCISVFNPHLLRAVRDIEVGE ELTI CYLDMLMTSEERRKQLRDQYCFECD/CPRCQTQDKDADNL TGDEQVKEVQESLKKIKELKAHWKWEQVLAMCOAISSNSERL PDINTYQLEKVLDCANDACINLGLLEBALFTGTRTMEFYRIFPG SHPVGVQVMKVGKQLQHQGMFPQAMENLKLAFDIMRVTHGRH SLIEDLILLE/AMRRQHQSLRRRSQRIRRVSLNALLRSET LCFVSCVNLSTWPCSVFV
6122	2	2324	RFRKMDGGAASQDESSAAAAAADSRMNNPSETSKPSMESGDG HTGTQTNGLDFQEQPVVGGALSTAQAQAFGLHLDVQLAGTSL QAAAQBLNVQSKSNERSGDSQQPSQPSQPSVQAALPOTQIMLA GGQITGLTLTPAQQLLLQQAQQAQLAAAVQHSASQHSAA GATISASAAATPMQIFLSQPIQIAQDLQQLQQLQQLNLLQOPV LVHPTNLQPA/QFIISQTPQGGQQLQA/ONLLTQLPRQSOAN LLQSPRI/TLTSQPATPTCTLAATPIQFLPQSQSTPKRIDTFS LEBP/SDLRELEQFAKTPKRRIKLGFT/QGDAGLAMVKLYGND FSPTTIFRFBALNLSFENMCKLPLLEKWNDAENLSSDSLSS PSALNSPGIEGLSRRRKRRTSIEA/NIRVALEKSFLEN/QKPTS ERI7MIADQINMEKGVIRVWFENRRQKERRINFPSSGG/TSSSP IKAIFPSPTSLVATPESLVTSSAATLTIVSPVPLTSAAVTNLS VTGTSDDTSSNTATVISTAPPASSAVTSPSLSPSPSASASTSEA SSASBTSITQTTSTPLSSPLQTSQVMVTASGLQA/AQLLPKG AAQLPANASLAAMAAAGLNPSLMAPSQPAAGCALLSLNPGTSL GALSALMNSNTLATIQALASGGLPITSLDATGNLVPANAGGA PNIVTAPLFLNPQNLSTSNPVSLSAAAASAGTSAPVASLHA TGTSAESIQNSLFTVASASGAASTTTTASQAQ
6123	3	2944	HLHRWFQTDQMINEFTTGEFQLTRACPYLTHSRESRFGYILHL HLQPLEMKRVGVVFTPADYGVKVTSLILLIRNLTVIDMIGVEGFG ARELLKVGGRLLPGAGSLRFPKVPSTLMDCRRLKDSKQILSTT KNFKVENIGPLPITVSSLKINGYNCOGYGFVLDCHQPSLDPNT SRDISIVFTPDFTSSNVIRDLSLVTAADLEPRFTLAVTLPHHL PLCADVVPGPSWESFWRLTVFPVSLSLGVILJAFQQAQYIIM EFMKTRQRQNASSSSQNNQPMQVISPESYKSNCKNPLDTYGPS DEGRGKNCPLVNTQSRIQNAAKRSPATYGHSQKHKCSVYTSK EKTSTAAASSTSTTTEKQTSPLGSSSLPAKEDICTDAMRENWI SLRYASGINVNLQRNLTLPHNLLNKEWTLKNTIVPSNPSSBES MKEGIQTCMPFKETDIKTSENTARFKERRLCPLKTSKKLPHNL PRNSPQYHQDLPBISRRKRGNNQVPPVKNVDHCENLKKVDTK PSSEKKIERTSREDMPSEKQDIPFVBQEDPYRKKELQEKREGNL QNLNWSKSBTCRKNKRGVAPVSRPPBQSDLLKLVCSDFERSRLS SDINVRSHCIQESTREVCKADAXIASLPAQQRREAGYYQKFEK KCVDFKPCSDSSDCGSSSGSVRASRGSGWSSTSSSDGDKKPM VDAQHFLPAGDSVSNQDPPSEAPISLNLSHVINCNPWGNLPOY AEPSCPSLPAGPTGVREDKGLYSPGDLWYTPVVCVTSILNCTLE NGVPCVIOESAPVHNSFIDWSATCEGQPSSEAYCPLHEDYNAPP REMMNYANGFPCPADVQTFIDENSQSTRTTTP/AMPAS/WGNA QFPSSSRPYLKSTPKACLPMGSLFGPI/WAP/QSDVYENCCEP

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			PTTEHSD/THMENQA/VVCKEYYPGF/NPFRAYMNDIWTITTA NRNANPPLSRDSSYCGNV
6124	1573	236	SDEALRLAGEEGMGEVQLFEISLSHGEEVVSPEGLAGTVRVRL GAPLPFRAIRVTCIGSCGVSNKANDTAVVVEGYPNSSLSLADK GSLPAGEHSFPFPQLPATAPTSFEGPFGKIYHQRRAIHTPRP SKDHKCSLVFYILSPLNLNSIPDIEQPNVASATKFSYKLVRTG SVVLTASTDLRGYVVGQALQLHADVENQSGKDTSPVVASLLQXV SYKAKRWHDVDTIARVEGAGVDAWRRAQWHEQILVPALPQSAL PGCSLIHIDYVLQVSLKAPVATVTLVFFIGNIAV/NPCPSEPPA RPGAASWGPTPGG\PSAPPOEEABABAAAGGFHLDPVFLSTKS HSORQPLLATLSSVPGAPEPCPDGSPASHPLHPFLCISTGATV PYFABGSGGPVPTTSTLLLPPEYSSWGYPYEAPPSTEQSCGGVE PSLTPE
6125	1	904	KTCPKLTCAFTVSVPDSCCRVCRGDELSEHSDGDIPEQPANR EARSYTHRSYDDPPSRQAGLSRFPGARSHRGALMDSQASGT IVQIVIRNKHKHKQVCVSNKTYSHGSEWHPNLEAPQIVECVLC TCNVTKQCKKIHCPNFPCKYPOKIDGCKCKVCPG/KKAKREL PGQSFNKGYPGCEHTMFPVYESVFMEDGCTTRKIALETERPPQV EVHVWTIREGILQHPHIEKISERWFEELPHFKLVTRTTLTSMKI PTEGENQISQMSSESRVCTBLEDLVVLVLERSEEGHC
6126	1224	389	RLLSRAPCFESRRRFQWNPENGOAFVHVAVAGGLCAVAVPTGIF DSVSVOQGYEYARAPVAGLEPAFLAMPFNSLVNMYTLGLSLW HRGGAMGLGPRYLKDVPAAMALLYGPQWLRLWTQWRAAVLDQ WLTLPFAPMPVAVCLYLDGRWRP/WLFLSLECVSLASYGLALLH PQGFVALCAHVVPVAGQALRT\ERHYG/SATPSATYLAGVLS CLGFVVVLKLDHQLARNWLPQCLTGHFMSKVCVQLQPHFAFLFL TEFNTDPRFHPSSGKTR
6127	1335	463	VLPRCLVFFVNTMDSSEPTLGRLDAGFQWQVQRPDADERGY IEEKELDAFFLHMLKGLTDDTVKANLHRVKQVMTTQDASKO GRIRMEELAGMFLSEDEFLLPRENPLDSSVEFMQIWRKYDA DSSGFISAARLENFLRDLPLHKKAISEAKLEBYTGTWMI PDR NHDGRLDLNDLARTALQENFLQFKMDACSTBRKKGDFEIKFA YTDVSEKALBGP\EVDFVVKDMLVQPSISGVLDLRFREILL RHCDVNDGSKIQSKELALCLGLRNP
6128	2511	843	TCRNSRRQLERWVSSQVQARGNVRAPLGKIAMGLHSSKD SPGSLDGRWEDAQKQSAWCGGRKTRVYATSSRRAPPSEGTTR GGAARPEKTABEGPPAAGSLRHSGLCPHACTALPEPQVTS MSSQVVGIEPLYIKAPASPDSPGSSSETETEPVALAPG\PA TRCLPGHKEEDGEGAGPGEQGGKLVLSLPRKLCVCGDVAS GYHYGVASCEACKAPFRTIQGSIEYSCPASNECETIKRRKAC QACRFTKCLRVGMLKEGVRLDRVEGGRQYKRRFVVDPLFPFGP FPAGFLAVAGGPRCTAAPVNALVSHLLVVEPEKLYAMPDPAGPD GHLPAVATLCDLFDRIIVVTISWAKSIFGFSLSLSQMSVLQS VWMEVLVLGVQASLTLDQLAPARYLVLDREGARPAGLGELG\ AALLQLVRLQALRLEREYVLEALALANSDSVHIEDEPLNS SCEKLIHEALLEYAGRAGPGGGAERRRAGRLLLTPLLRQTAG KVLAHFYGVKLEGKVPMHKLPLEMLEAMMD
6129	1764	771	ARFARSAREGRMPKCKTGARKKAENRREREKQLRASRSTIDLAK HPCNASMBCKQRRQKNRAPCYPCNSVQKLPICAQCGKTKCMH XSSDCVIEHAGVYSTGLAMVGAICDPCEANVCHGRKCLSTHACA CPLTDAEC\VECEGVNDHGGRI PSCSPCHNFLCEDDQFEHQAS CQVLEARTPKCVSCNRLQHSCLRCACPCDDHTSKVFFQSEK KQPPCPKCGHETQBTDLMSSTRSLKFGRTGGEGDGASGYDA YWNLSDDKYCDTSYHDEKEDEYARDDREREDBGRKDSDTRESS DLFTNLNLGRTYASGYAHYBQEN
6130	3	577	GRGGTMRBYKVVVLGSG\GVGKSALTVOFTCTFLEKYDPTIR

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			DFYRKEIEV\DSPPSVAGISWTQQTEQF\ASMRDLYIKKGQGC ILVYSLVNQQSFQ\DIKFMRDQIIERKVKSEKVPVI\LVGN\SD LESEREVSSSSGRALAEWGCFFMETSASKSKTMVDELFAIVRQ MYTAAQPDDEDDCCSACNIQ
6131	3	1811	SSPREKTSDDSHRPSRHGFLPLRLVGLSPFSEYLCVPPSPRPVFGS PRSLSAMRLLPLAPGRRLRGSPPRLPSCSPALLLLVLGGCLGVF GVAAGTERPNNVLLLTDDQDEVLCGMTEPKTKKALIGEMNTFS SAYVPSALCCPSRASILTKYFPHNHVVMNTLEGNCSSKSWQKI QEPNTFPAILRSMCGYQTPF\AGKYLNEYGAPDAGGLEHVPLGW SYWYALKKSKYNYNTLSIEGKARKGKHNYSDVYLTDLAVNSEL DFLDYKSNFEPFPMATATP\APHSPWTAAPQYQKAPQHVPAFRN KNFNIHGNTXHLIRQAKYPMINSSIQFLDNAPKRWQTLISVD DLVEKLVKLEFTGELHNTYIPTYSDNGYHTGQFSLPIDKROLY HFDIKVPLLVRGPGIKPNQTSKMLVANIDLQPTIIDLAGYDLNK TQMDGMLLPILRGASNLNHRSDVLVEYQGEGRNVTDPTCPSL SFGVSCFPDCCVCDATNNTYACVETNSALMMLQYCBDDQEVFV RVTNLTADPDQITNTAKTIDPELLGKNYRIMMLQSCSGPTCRT PGVDPFGYRFPDRIMPFSNRCSVTRRRFSKHL
6132	96	1241	AAGLLPGLVPEPDEPTENLLPFGIQGPPFALSRLPSCVESGN AMEAMSPRFLYDLQLPGEVPPAREBELSRGGRKKYLPPTSRKD PKFEELQKPA\VLMEWINATILLPEHIVVRSLEKDMDFGLILHL FQRLAALKLEADIALTATSQKHLTVVLEAVHRS\CSWRSGRP SGA\WESIYNKDLISLLELLVALAKRPQDLSLPTNVQVEVITI BSTKSGLRSEKLVQLTEYSTOKDEPPKDVDELFLAPEKVNVA VKBAIVNFVNQKLDRLGLSVQNLDTQPADGVILLLLIGOLEGFP LHLKEFYLTSPNSPAEMLNVTALRELL/IGRGAQLPC/LALK/ TIVNEDAKSTLRVLYGLFCRHTQKAHRDRTFHGAPN
6133	2	4256	FVHGSMADTDLFMECEERELEPQKISDVIEDSVVEDYNSVDKI TTVSVSQQPVSAVPPIAAHASVAGHLSTSTTVSSSGAQNDSSTK KTLVTLIANNAGSPLVQQGQPLILTONPAPGLGTMVTPQVLR EVQVMQANHVTSFPVASQPIFITTQGFPPVRNVRFQVQAMNQV IVLNVQQGQTVRPITLVAPAGTQFVKTVPVQVPSQMTVPVRP STMPVRPTNTFTTIVIPATLTIRSTVPSQSQQTSTPSTTPT TATQPTSLGQLAVQSPGQSNQTTNPLAPSPFPSPPAVSIAFPVT VKRPGVTGENSEVAKLVNTLNTIPSLGQSPQPVVVSNSAH\ GSQRTSGPSSSMKVTSIIPVFDLQDGGRIICPRCNAQFRVTBAL REHMCYCCPEMVEYQKRGKSLDSEPSVPSAARPPSPKITAFAV /THPSTPIPALSPPY/TXVPEPNENVGDAVQTKLIMLVDDFFY GRDGGKVAQLTNTPPKVATSFRCPHCTKRLKNNIRFMHMKHVR LDQNGEVDGHTICOHYRQFSTFPQLCHLENVHSPYESTTKC KICENAFESSEPLFLOHMKDTHKPGEMPVVCQVQYRSSLYSVD VHFMTHERDTRHLLCPYCLRVFENGNAFOQHYMRQER\NVYH\ CNKCRVQPLPAKDKIBELQHKKTPRKPEQLEGLKPGTRVTIRA SRQQRTPVPSNDTPPSALQEAAPLTSMDPLPVFLYPPVQRS IQKRAVERKMSVMGRQTCLECSFEIPDPFPHPTTYVHCCLRYST CCSRAYANHMINDHVPKSPKYLALFENSVSGIKLACTSCTFVT SVGDAMAKHLVNPFSHRSSSILPRGLTWIAHSRHGQTRDRVDR NVKNMYPPPSFPTNKAAATVKSAGATPAEPRELLTFLAPALPSFA STATPPTPTTHPQALALPLATEGACLNVDQDEGSFVTQEPB LASGGGSGGVGKKEQLSVKLEVVLFALCCNTEQAARHFRNPQ RRIRRWLRBFQASQGENLEGKYLSEABERLAEWVLTQRBOQLP VNEETLFQKATKIGRSLGGFKISYEWAVRFLRHHLTPHARRA VAHTLPKDVANAGLIDFVQRQIHNQDLPSMIVAIDBISLFL DTEVLSDDDRKHALQTVGTGEPWCDVVLAILADGTVLPTLVFY RGQMDQFANMPDSILLEAKESGYSDDEIMELNSTRVWQKHTAQ RSKMLVMDCHRTHLSREVLAMLSASSTLPAVVPACSSKIQPL

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6134	2	4256	<p>DVCIERTVKNFILHKKWKEQAREMADTACDSVLLQLVLVWLGEV LGVIGDCPELVQRSFLVASVLPGPDGNIPTNRNADMQRELIALS LEEQLKLSGRHSRSTTPRPRSSPRETIEPSLHQLPBGSESTES PYGFEEADLDLMEI</p> <p>PVHGSMADTDLFMECEBEELRPWQKISDVIEDSVVEDYNSVDKT TTVSVSQQPVSAFVPIAAHASVAGHLSTSTTVSSSGAQNSDSTK KTLVTLIANNNAGNPLVQGGGQPLILTONPAPGLGTMVTPVLIR PVQVMQANHVTSPPVASQPIFITTTQGFVVRVVRPQANMNVQV IVLNVQGGQTVRPITLVAPGTPQVKPTVGVQVQVFSQMTVVRPG STMPVVRPTNTFTTIVIPATLTIRSTVPSQSQSQTKSTPSTSTTP TATQPTSLGQLAVQSPQGSNQTTHPKLAPSPFPSPAVSIAFPVT VKRPGVTGENSNEVAKLVNTLNTIPLSQSPGPPVVVSNSSAH\ GSQRTSGPSSMKVTSSI PVFDLQDGGKICPRCNAQFRVTEAL RGHMCYCCPEMVEYQKRGESLDSEPSVPSAAKPPSPKTAIPVAS /THPSSTPIPALSPPY/TKVPEPHENVGDAVQTKLIMLVDDPHY GRDGGKVAQLTNFPKVATSPRCPHCTRLKNNIRFNMNMKHHVE LDQNGEVDGHTICQHCYRQFSTPPQLQCHLNVHSPYESTTRC KICEWAFESSEPLFLQHMEDTHKPGEMFYVQVQVYRSSLYSEVD VHFRMIHEDTRHLLCPYCLVFFENGNAFQQHYMRHQKR\NVYH\ CNKCRVQFLPAKDKIEHLQHHKTRFKPKQLEGKPKGTKVITRA SRGQPRTPVPSNDTTPSALQBAAPLTSSNDPLFVFLYPPVQRS IQKRAVRMSVMGRQTCLECSFRI PDFFNHFPTTVHCSLCRYST CCSRAYANHMNNHVPRKSPKYLALPKNVSGIKLACTSCTFVT SVGDAMAKHLVFNPSHRSSSLLPRLTWNIAHSRHGQTRDRVDR NVKNNYPPPSFTTKAATVKSAGATPAEPSELLTPLAPALPSPA STATPPPTTTHPQALALPPLATEGACELNVDDQDEGSPVTQSP LASGGGGSGGVGKKEQLSVKLRVVLPAICNTQQAHEHFRNPQ RRIRRWLRFPQASQGENLEGKYLSEFAEKLABWVLTORRQQLP VNEBTLQKATKIGRSLEGGPKISYEMAVRFLRHLTPHARRA VAHTLPKDVAAENAGLFDIVQRIHQDLPLSMIVADIKISLFL DTEVLSSDDRKENALQTVGTGEPWCDVVLAILADGTVLPTLVFY RGQMDQPANMPDSILLBAKESGYSDDEIMELNSTRVWQKHTACQ RSKGMVMDCHRTHLSEVLAMLSASSTLPVVPAGCSSKIQPL DVCIERTVKNFILHKKWKEQAREMADTACDSVLLQLVLVWLGEV LGVIGDCPELVQRSFLVASVLPGPDGNIPTNRNADMQRELIALS LEEQLKLSGRHSRSTTPRPRSSPRETIEPSLHQLPBGSESTES PYGFEEADLDLMEI</p>
6135	2	4256	<p>PVHGSMADTDLFMECEBEELRPWQKISDVIEDSVVEDYNSVDKT TTVSVSQQPVSAFVPIAAHASVAGHLSTSTTVSSSGAQNSDSTK KTLVTLIANNNAGNPLVQGGGQPLILTONPAPGLGTMVTPVLIR PVQVMQANHVTSPPVASQPIFITTTQGFVVRVVRPQANMNVQV IVLNVQGGQTVRPITLVAPGTPQVKPTVGVQVQVFSQMTVVRPG STMPVVRPTNTFTTIVIPATLTIRSTVPSQSQSQTKSTPSTSTTP TATQPTSLGQLAVQSPQGSNQTTHPKLAPSPFPSPAVSIAFPVT VKRPGVTGENSNEVAKLVNTLNTIPLSQSPGPPVVVSNSSAH\ GSQRTSGPSSMKVTSSI PVFDLQDGGKICPRCNAQFRVTEAL RGHMCYCCPEMVEYQKRGESLDSEPSVPSAAKPPSPKTAIPVAS /THPSSTPIPALSPPY/TKVPEPHENVGDAVQTKLIMLVDDPHY GRDGGKVAQLTNFPKVATSPRCPHCTRLKNNIRFNMNMKHHVE LDQNGEVDGHTICQHCYRQFSTPPQLQCHLNVHSPYESTTRC KICEWAFESSEPLFLQHMEDTHKPGEMFYVQVQVYRSSLYSEVD VHFRMIHEDTRHLLCPYCLVFFENGNAFQQHYMRHQKR\NVYH\ CNKCRVQFLPAKDKIEHLQHHKTRFKPKQLEGKPKGTKVITRA SRGQPRTPVPSNDTTPSALQBAAPLTSSNDPLFVFLYPPVQRS IQKRAVRMSVMGRQTCLECSFRI PDFFNHFPTTVHCSLCRYST CCSRAYANHMNNHVPRKSPKYLALPKNVSGIKLACTSCTFVT</p>

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			<p>SVGDAMAKHLVPNPSHRSSSILPRGLTWIAHSRHGQTRDRVHDR NVEENMYPPSPPTNKAATVKSAGATPAEPEELLTPPLAPALDSPA STATPPTPTTHQALALPPLATEGAECLVDDQDEGSPVTQEPF LASGGGSGGVGRKEQLSVKILRVLPALCCNTBQAAEHFRFPQ RRIRRWLRFRQASQGENLEGKYLSPAEKELAEWVLTQRBOQLP VNEETLPQKATKIGRSLGGPKLSYEMAVRPMRLRHLPHPARRA VHTLPEDVARNAGLPIDPVQRQIHNDLPISMLVAIDRISLFL DTEVLSSDDRKENALQTVGTGEPWCDVVLAILADGTVLFTLVFY RQMDQPANMPDSILLAKESGYSDDREIMELSTRVWQKHTACO RSKGLVMDCHRTLSSEVLNLSASSTLPVVPAGCSSKIQPL DVCIKRTVKNFLLKKWKEDAREMADTACDSVLLQLVLVWLGCV LGVIGDCPELVQRSFLVASVLPDGNINSPTNADMQEELIAS LREQLLKLSGRHSESSTPRPRSSPRETIRFESLEQLFEGESRTBS FYGFEEADLDLHEI</p>
6136	1704	539	<p>FGVRMALECMKKRKRREVQSOENPDGVRGSPPEYRLGQVAS SLPFGHEHHSRGOTGRLASLFSSLEPQIQPVTVVPVK\ESALASA DLEKEELHQKQGQRKNSQPGVAVADRKILLDDTETVVSQRKIO INQEEERLKRERTVFGNLPVTCNKKLKSFKKTCQIESVFR SLTPAGTLLSKLAAIKRKIHFPQKNINAYVVFKESSAATQALK ENGAQIADGFRIEVDLASETSSRDKRSVFGHLPYKVESATEK HFLDCGSSIMAVRIVRDKMTGIGRQPGYVLFRTDGVHLALKLN SELMGRKLVRMREVNKEKFRQONSNPRLNVSEKPKQNLNFTSKT AEGHPKSLFIGEKAVLLKTKKRGQKSKQRPKQRKQK</p>
6137	141	2656	<p>RALRRRCGPGERGAIGSGPGPQRPRGVRPBERPAPPREKHPG MNMILIVAMCLA\LLGLPGKAPQLQGHVS\IILAGEQLGLAKK YLWQG\LFQLYLDEAGRCHSFSYHGAAL\TAPKQGGELMAKLES LSCPDKMAPSHCAEHKQPLQLSQYRQLKTAEDYQALNKDIEAQ LQHAGLREAGGIYPFSVPPFAYEDIARNINSSCRPGGAWLRVV LEKPFCHDHPSAQQLATELGTFFQREMYRVDIHLYGKQAVAQIL PFRDQNRKALDGLNRRHVERVETIMKRTVDABGRTSPYRGTGV IRDVLQNEILTEVLTIVAMELPHNVSSARAVLRHKLQVFPALRGL QRGSAVVQGYQSYSEQRVRELQKPSFHSLETPFAGVLVHIDNL RWEGVPFTILSGKALDERVGYARILFKNOACCVQSEKHNAAQS QCLPRLVPHIGHGDLGSPAVLVSRLFRPSPSSWKEMEGPPG LRLFGSPLSDYYAYSVPVREDAHSVLLSHIPHGREKFPITTENL LASNNPNTPLRLSLAHEKAPLYPGGAENGRLDDFBSGRLFPS QQQFBLVPGPGPGMPSPDFQVLRAKYRESSLVARSSEELISKL ANDIRATAVRAVERFCQPHLALSGGSSPVALLPQQLATAHYGFPW AHTHLWLVDERCVPLSDPFSNFGQLQAHLLQHVRIPTYNIB\AM FVHLQQLCAEEDQGAHTYARRISALGANSSFDLVLLGMGADGH TASLFPQSPPTGLDGEQLVLTTPSPQPHRRMSLSLPLINRAKV AVLVNMRMRKREITTLVSRVGHBPKEPISGVLPHSGQLVWYNDY DAFLG</p>
6138	4587	934	<p>EFSEKLTDEWQNAVQGVQRKGDVDGLVRQWQDFTTSVENLFRFL TDTSHLLSAVKGQERFSLVQTRSLIHELKNGELHPORRRITCAL TLRAGRELLLTDLTKTESVGRRI SQLQDSWKMEPQLAEMIKQ FQSTVETNDQCEKKIKELKSLQLVLAQSEDPLELHEDLHNRK ELIKELQSLASWTONLKKLQTMKADLTREVLVEDVMVLRQIE ELHRCWEDLCRLVAIRKQIBDEDLNTWVVFHKKKELCAWLVM ENKVLQTADISIEEMIERLKQDCMEHINLFSENKLOLEKMGDOL IKASNKSPAARIDDKINKINDRWQHLFDVIGSRVKIKETPAFI QQLDKNMSNLTWALARIESELSEPVVYDVCDQSEIQRLAEOQD LQDIEQHSAGVESVFNICDVLLEDSDACANETECDSIQOTTES LDRERNICAMSMERBMKIEETWRLWQXFLDDYSRFRDNLKSAB RTAACPNSEVLYTSAKEBLKRFPAFQRQIHERLTQLELQINEQY RRLARENKTDASRLKQMVHEGNQWQNDLQREVTAVLRRLRHFT</p>

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			NQREBEFEGTRESILVNLTEMDLQLTNVEHFSSESADDDKMRQLNG FQOEITLANKIDQIVFGESLIQKSEPLDAVLIEDKLEKLER YQOEVFGRVSRPHRLTSCPTGLEDEKKEASENETDMEDPREIQT DGNRRGRGSEKPSQSLCHLVAPGHERSCCETPVSVDS\IFLB WDHTGRRGGPSSSH\EEDEEAQYY\SALSKSISDGHSEWHPDS PSCPRHHTYKMEGDERNVPPVPASSTPYKPPYKILLPPGTDGG KEGPRVLNGNPQOEDGGLAGITEQQSGAFDWMENIQAQEL\ENK LKIKQNLQNLNDISAITTWLKKTRAEKLEMLKMAKPPSDIQIE LRVKRLQSLKAFDTEALVSVNVSSKEPLQTESPSTELQSR LRQLSLLNEAAGAVDSNRGGLRQSLMQCQDFHQLSONLLMLA SAENRROKAVTDPKADPRALLECRRELQLEKELVERQPQVDM LQETNSLLIKGHGDCIEABEKVHVI\BKLEKLEQVSDLM ALQGTQNPASPLSPFDEVDSCDQPPATSVAPRAKQPAVRTTB GEEETESRVPGSTRPQRSPLSRVVRALPLQLLLLLLLACIL PSSEEDYSCTOANNP\ARSFYFPLRYTNGPPPT
6139	52	1131	IGDNVMSRTGVLPTPTSVLRARARGPCPTDSKMAIPRLREGE TEERPEWASSWKL/LAGNIGGAASVIVGHPLDTVKTRIQAGVC YGNLTLSCIRVYRRESMFQFKCMSPLASIAVYNSVVFQVSN TORFLSQHRCGEPEASPPRTSLDLLASNAGVVSGLGGPVDL IKIRLQMQTPPVSGRQPRPEVQGGGCG\BPAYQGFVHCITTV RNEGLAGLYRGASAMLLRDVPGYCLYIPYVFLSEMITPRACTG PSPCAVNLAGGAGAGISWGTATPMDVVKSLQADGVYLNKYGV LDCISQSYQKEGLKVFFRGITVNAVGRFMSAAMFLGYELSLQA IRGDHAVTSP
6140	694	136	RPELELMRLSRSWRPLGVPRRCHRRNWKEPVRAQPLSVTVWAP RCQRP/QPPAPEPSSPNAAVPRAIPTPRAAASAALEPLGPAPV SVAPQABAEARSTPGPAGSRLGPETFRQRFQPRYQDAAGPREA FRQLREL/SPRQWLRPDI\RTKBQ\IVEMLVQEQLLATLPEAAR ARRIRRRITDVRITG
6141	2	984	AQVQPRSRPCMPKPLKLGKKAKSKETAGLVESEPTGAGGGSLS ASRAPARRLVFHAQLAGSATGRVEGFSSIQELYAQLACAFRIS PSEILLYCTIATPFIKMERLGGQLGLEDFIAHVKGIEKEVNVY KSKDSLGTLITONGVGYAFIKRIKIDGCVIISVETICVGDHIESI NGENTVGRHYDVAKKLEKLEKELPTMKLIBPKKAFRIELRSK AGKSSGKKICGGATLRLRSKGPATVEEMPSTKAK\ATEKIDD VLELYMGIRDIDLATMPFAGKDEKVPDEFAVALDETIGDFAFP DEPVFDVNGVIGDAKRRGL
6142	116	602	BABGEQVCGAKCCGDAPHVENREERTARIGPGVMESKERRALNN LIVENVNQENDEKDEKQVANKGEPLALPLVSEYCVPRGNRRR FVRQPIQYRWDMHRLGEPQARMRENNMERIGEBVRQLMBKL BERQLSHSLRAVSTDPFHHDHDEFC\LMP
6143	2802	270	FRMRIPLACPHNQMMKIMNLLSTSLSCAHLSTQKLLKER\Q \QLFVFHEDSIVETLRRHRVVVAGET\GSGKSTQVPHFLLED LLNNEWASKCNIVCTQPRRISAVSLANKVCDLGCENGPGGRN SLCGYQIRMESRACESTRLLYCTTGVLRLKLRDGLLSNV/SM FTVDEV\HRR\SVQSDFLILKELILQKRSDLHLIIMSATVDSE KFTSTYPTHCPIRLISGRSYFVVFHLEDILBETGFULEKDSYCY QKPLEEEBETVINVTSKAGGIKRYQHYIPVQTAHADLNPFFYQK YSSRTQHAILYMNPHKINLDLIELLAYLQKSPQFNTIBGAVLI FLPGLAHIQQLYDLSNDRFYSEYKVIALLHSILSTQDQAAAF TLPPPGVRKIVLATNIAETGITIPDVVFVIDTGRTEKNKYHSS QMSLVETFVSKASALQGRAGRVRDGFRCFRMYTTRERFEGFMD YSVPFILRVPLEELCLHIMKCNLGSPEPLSKALDPPQLQVINS AMNLLRIGACELWEPKLTPLGQHLAALPVNVKIGRMILFGAIF CCLDPVATLAAVMTESPTTPIGRKDEADLAKSALAMADSDHL TIYNAYLGWKKRQEGGYRSEITYCRNPLNRTSLLTLEDVREQB

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			LIKLVRAAGPSSSTTSTSMENRASQTLSFQRLALLKAVLVAGL YRIVGKI IYTKSDVTEKLACIVETAQGAQVHPSSVNRDLQTH GNLLYQEKIRYARVYLRETTLTITPFPVLLFGGDIQVQHRERLLS IDGWIYFQAPVKIAVIFKQLEVLIDSVLRKKLEBPMSLENDKI LQILTELKIENT
6144	1289	568	SGPGSMGQQRVDVKKVVMIGKEYVQKTSILVERVYVHDFLVGPFYQN VSASGGARHGGRGSGGPVICTTGPDLFPLVA\TIGAAFAKVMVS VGRVTVLGIWDTAGSEREYANSRIYYRGAKAAIVCYDLTDSSS FERAKFWVKELSLREGCQIYLCSTKSDLLERDRRRRVDHFDV QDYADNKAQLPETSSSTGQSVDLEFQVAREVYSVAAPQVMTB DKGVDLQCKPNFYFSCCH
6145	1109	196	GGMDLSRLERDNTGRCRLSSPVPVAVCRKEPCVLGVDEAGRCFVL QPMVYAI CYCPLRLADLEALKVADSKTLLESKRERLFAKMDT DFGWALDVLSPNLISTSMIGRVKYNLSLSDTATGLIQVALD QGVNVTQVVDITVGMPEYQARLQSPFGIEVTVKAKADALYPV \VSAASICAKVARDAQVKKQFVEKLQDLDTDYG\SGYPNDPQD /TKAWLKRHVEPVF\GFP\QFVRP\SWETAQTI\LEKEAEDVIR EDSASENQEGLRKTTSYFLNBSGQARPSSEHYFLERGLBSTTS L
6146	428	781	LKKKGKKEKAAQQVEALPGPSLDQWHSAGKEEDGPVLTDEQKS R/YPGERADQGG\WDARQSIIRKVVDPETGRTRLIKGDGBVLB EIVTKERHRSINKQATRGDCIAPQMRAGLLP
6147	1	2304	GTRQLPPSPGSGPGDSPEGPEGEAPERRRKAHGMILKYGLSE GRAAGRPAQPDPLDPTDLNGAHFDPPEVYLDKLRRECPALQLMDS ETDNVQRIRALDSMDTLVYENYNKFI SATDTIRMRNDPRME DEMDRLATNMAVITDPSARISATLQDRHERITKLAVHALLRKL QPLFELPSRLTKCVELGAYGQAVRYQGRAQAVLQYQHLPSFRA IQDDCQVITARLAQQLRQRFREGGSGAPEQARCVELLLALGEP A ERLCKEFLAHARGRIKKELRNLEALGSPSPAPDVLKFTDHG\S SGPVGGLCQVAAAYQRLPAAQEPAGAKLAARQIGSRYFALV ERLLAQKQGGGNSLLVRALDRFHRLRAPGALLAAGLADAAT RIVERVARERLGHHLOQLRAAPLGCCLTDVROALAAPRVAGEEP GLAELIANVASSILSHIKASLAHVLP TAKEVSPSNKPYFROEP CSQGVREGLIVGFVHSNCTAQSFCDSPEGRGGATPPALLLLS RLCLDYETATISYILTLTDEQPLVQDQPFVTVSTLCABARETA RRLTHYVQGLVLSQMLRKSVEVDWLSLEPRNVRVAVMKRV VEDTTAIDVQVLPRLAGVALTQAGGTVP SRGAGAAEDHNSLPG GDMCINASEGASSVARASVRBPQNKSPRMNTERAGECLCPRS CSFSAQDYDIFADILPVEERLRTVQEVRAGLVVLKIRPQTNS CILPLPHSTGINSDEHVPK
6148	3056	353	VPAVGGTADGAMGEARKFHYTSCDLDINVQLXIGSLBGRKQ KSYKAVLEDPMLKPSGLYQETCSOLYVTCQVFABGKPLALPVRT SYKAPSTRNNHNEWLKL PVKYPDLPRNAQVALTINDVTGPGKAV PVGGTTVSLFGKYGMFRQGMHDLKWNFPCRSQMDQKPTKTPGRT SSTLSQMSRLAKITKAEHQGMVEVDWLDRLTFREIEMINRS VKRSSNFMVLMCCPRCVKCDKEYGIVYVEKDGDESSPILTSFB LKVVDPQMSLENLVESKHHNLPRLSLSGSPSDHDLKPYSPRDQ LKNTVSYPPSKPPTYREQDLVNEFRYYLTNODKALT KILTSVIW DLPOGAQALALLGRKHPMDVEDSLLELSSHYNPTVRRYAVAR LRQADDEDLMLYLQVQALKYENFDDIENGLEPTKKDSQSSVS ENVSNGSINSARIDSSQIIT/SAPFVSVPSPPP\ASKTEVFDG ENLEQDLCTFLISRASKNSTLANLYWYVTVCEQDQDQQRDPK THEMVLNVMRPQSALLKGDKSVRVMSLLAAQQTFFVDRLVHLM KAVQRESGNRCKKNERLQALLGDNEKONLSDELILPLPLEPQVK IRGIIPTATLPSALMPAQLFFKTEDGGKYPVPEKHGDDLRQD QILILQIISLMDLRLKENLDLKLTPYKVLATSTKHQFMQFIQSV

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			PVAEVLDTGSSIONFPRKYAPSENGPNGISAEVMDTVVKSCAGY CVITYILGVGRHLDNLLLTATGKLPKIDFGYILGRDPKPLPPP MKLAKRMVEMGGTQSEYQEPKQCYTAPLHLYRYSNLILNLF SLMVDANIPIALALEPKTVKKVQDKPRDLSDERAVHYMQSLID ESVHALFAAVVEQIRKFAQYWRK
6149	1	1413	RVDPRVRENGTANPIENGKTSFASKDQRTGKRTSVQGVQKQND ESBSDFPSDPPSPKSEBEBQDDEVLQGEQGFNDDDTEPKNL GHRPLMDSSEDEEEKKSSDSDYBQAKAKYSMSVYRDRSGS GPTQDLNTLILTS AOLSSDAVETPKQEPDVFGAVPFFAVRAQQ PQGEKNEKNLPQHRFPAGLEQBEPOVFTKAPPSKRVNVQECNA VGPEAHTIPGYPKSVDFVGSPTPPQPLTSTSKSENEEDLPGLVP PDEITGSQQKVKQSLQKLSRRQRRTQDMKSKNGKRHHGTTT STKKTLPKTYRTPERARRHKKVGRDSQSSNEFLTISDSKENIS VALTDGDRGNVLQPEESLDDPGAKPFHSPDLSWHPP\HQGL S\DIRADHNT\VLPGR\PRONSLHGSFHSADVLEMDDFGAVP/F LTELVLQVSIYTHQSQQSQPV\ELDPFGAAPPFSKQ
6150	372	37	MSNKKYITDYDKASIEIEIDHDVMTKGLHQINNFWSDSEYR LNRHGSVLNAVLMLAQHALLIAISSDLNAYGVVCEPDWNGG QEGWPPMDGSGIRITDIDTSGIP
6151	1555	521	DSNQQSVSGTAASTLLHSFKATIIYQGTGHVQVQYGVTSFYEQ TPPIVQSYAQPSLQYIQGQQIFTAHPQGVVQPAAVTIIVAPQ QPQPLQFSENVVITNLLDLPPSPPKPKTIVLPPNWTARDPEG KIIYYBVTITQTQNDPPTWESFGDDASLPEAEMLGTPTYDEN PMK\ASKKPKTAEADTSSSLAKSKKRVFRKMSQFTVQCLNPR KPDCKVQ\RIITTTEDFKHLARKLTHGVMNKKLYCKNPE\DLBC NENNVKHTIKYIKKYNQKFGAVYKPKEDTEFRVTVGPGWEDGWS GKTDSERRKSGGPFCCSTPVSTVLLMIHDPGRPNPADVN
6152	1366	648	NRTNTPSTWNGVALPPLCSTGFWPVTRQITARTTOGAVPAKCP PWC/DVHEPRCQPPDCHGHGTCDVGHCCQCTGHFWRGCGDELDC GPSNCSQHGILCTBTGCRCDAGWTGNSCSEBCPLNWHGPGCQRPC KCEHHCPDPTKGNCSVSRVKQLQPPFATLRAGLSFPTRTAW LALTLALAPLLLSTAANLSLLSRAERNRRLGDAYHPIQEM NGEPLAARKEQPGGAHNPFD
6153	2	3368	GRVGARSPGRAYALLLLLCFNVGSGIHLQVLSTRNENKILPKH PHLVQRRAWITAPVALLGEGDLSEKNPIAKTESDLAEBGLKI TYKYGKITEPPFGIFVFNKOTGRLNVTSLDRBETPPFLITG YALDARGNNVKKPLSLRIKVLINDNEPVFTQDVVFGSVEELSA AHTLVKCNATDADEPNTLNSKLSYRIVSLEPAYPPVYLNKDT GEIYTTSVTLDRREHSSYTLTVARDGNGEVTDKPVKQAVQVIR ILOVDNIIPVVENKVLBNVBNQVNVVTRIKVPOADEIGSDN NLANFTFASGNEGGYFHIETDAQTNBQIVTLIEVDYEBENLD FSUIVANKAAPHSIRSKYKPTPIPIKVKVKNVKEGIDHFKSSVI SIYVSBMDRSSKQIIGNPQAFDEDTOLPAHARTVKLBORDNW ISVDSVTSBILKALPDPESTRYVONGTTTVKIVASIKDYPRKI TGTVLINVEDINDNCPTLIEPVQITCHDAEYVNVTAEDLDGHPN SGPFSFVSIDKPPGMARONKIAORESTSVLLQOSEKKLGRSEIQ FLISDNQGPSCEKQVLTITVCEVLHGS\GCREAQHDSYVGLGP AAIALMLAFLLLLPLLLLMCHCGKAGKPTPIPGTIBMLHP WNNEGAPPEDKVVPSPFVQDQGSLSVGRNGVGGMAKEATMGSS SASIVKQHEMSEMDGRWEHRSLLSGRATQFTGATGAI\WITE TTITARATGASRDVAGAAAAVALNEEFKNYFTDKAASYTRED ENHTARDCLLVYSQETESLNASIGCCSFIEGELDDRFLDDLGL KFKTLAEVCLGQKIDINKRISQRKQPATETSMNTASHSLCEQTM VNSEYTHSGSSFPVPSLOEANAQKVQETVTERSVSSRQAK VATPLEDDPMASRNVIATETSYVTGTMPTTIVLGPSPQSLIV TERVYAPASTLVQDPYANEGTVVVTERTVIQPHGGGSPLEGTQH

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			LQDVFPVMMRRRESFLAPSSGVQPTLAMPNIAVGQNVTVTRVL APASTLQSSVQIPTENSTARNITVSGAGVGPPLDPGLRSGH SNSTITTSSTRVTKRSTVQHSYS
6154	3660	2146	KKRTIOMKNTLQKTVBFGANPPTISDKSHLLQMVSKLDTLDARN SDTAHKSIRITBILNGLQASRSSAKDSQEDERGAQMDNNK RESKIDHLTNHNDLISKEBONSLSLLENKVHADLVISKPVSK SPERLRKIDIEVLSEDTDYEEDEVTEKRDVKKDTDKSSKPKIK RCKRRYCNTECLKTGSPGKQERKAKNKRSLCWNSSNSSSDED KEETKARMTPTKQYNGLEKREKSLRTTGFYSGFSKVAERIKLL NNSDERLQNSRAKDRKDVWSSIQQGNPKTKLKELPSSDSTEAAA SPPHPAPEEGVARESLQTVARESCSPSVLEKPPFVNVDKPI EERTVEVNDRIAEFPSSGNSFSA*IPFLYHLERLHQSL*QKGS RQSSVTVSEPLAPNQBEVRSIKSTOSTIEVDSVAGELQDLQS ERE*LASRP*CCCELEQ**SARTRTS*KSLYRSEKSERCSGRRK PIKAKRKP*SSSGEQKEGK
6155	869	121	HLLEPLRGEKSWITMKYVFLGLAGTFFADSSVQKBDPAPYLV YLKSHWPCVUVLIKPSWVLAPAHCTLPNLKVMLEKPSVRDC TEQTINPIQIVRYNYSAPQDDMLIKLAKPAMINPKVQALN P/PTNVRPCTVCLLSGLDMSQENSGRHPDLRQNLKAPVMSDR CQTEQKGSHEBLCVKPVKPSRIPGEVAVATVICRDLQGIT VGHFMQGDVGIITVYKIVSWLENTAKDK
6156	5725	3984	GTSTVIMATKHFPSIILNLGLMLAKKQNDTRKLLMTWALEVAV VMKKSETYAPLFCPLSPFKPKCGLLADTIVRDVNICLQACSSIH ALSSSLPDDLLQRCVDVCRVQLVHRGTICIRQAFGKLLKSIPLGV PLSNNHTEIQEISLARSHMSKAPSNTPHPQDPSPD/VISPTLY GNSHRTGKDWLERL*YSCQRLDKRDQSTIPRNLLKTDVILNQW AIWEAAQFTVLSKLRTPLGRAQDTFQITBGTIRSLAGHTLNPQ DVSQWTTADNDEGHGNNQLRLVLLQLYLENLELMYNAYEGCAN ALTSPPKVIRTFLYTNRTCODNLTIRLSIMRVGLLAGOPAVT VHGFDLLTENKTTSLSQGHELEVSIMMVVEALCEHLHCPRAIQG LAVMSSIVGKHLWINSVAQAEGRFEKASVETQEHLCAMTCV DCCISSPDKSVLTLASAGCKSASLKHCLNGESRKSVLKPTDSS PEVINYLGNKACCYISTADNAAVQEWQNAIHDLKSTSSSTSLN LKADPNYIKSLSSPESGKPFVCTEQLEKLLGENINLAGGSKK IDMKLLRN
6157	946	329	MANRGPSYGLSREVQKKIBQKYDADLENKLVDMIIILQCAEDISH PPGRAHPQRLMDGTVLCTCINSLYPPGQEPPIPKISESKMAFK QMEQISQFLKAETYGVRTDIPQTVDLNKGKMAAVORTLMAL GSVAVTDDGCGYRGEPSWFERKQONRRGFSBBLRQGNVIGL QMGSNKGASQAGMTGYCMPRQIM*DAASC
6158	441	1482	LGSLIVLSLHCKVIPSSQSLERAMKEKAVDLVPILAQNPOLAQN PILECKDHNQFTGVDPPIIDHVQDRKD/SRSKSPHKERSKSRER RKSRSRSHSRDRKIDTREKIKERKRVKDKRKKEREREKEREKE KERGKNKDRDKRERKDRKDKERKDRKEREKEREKEREKEREKE QDKEREKEREKEREKEREKEREKEREKEREKEREKEREKEREKE RRRRRSRSSSRSPRTSETIKRKSRSRSPSRNRKDKKEREKERE HISERRRERSTSMRRSSNDRDGRKLEKRNSTSLKEKHNKEFD SSVSKEVDDKQAPRTRENKIQHNGNCQLNEENLSTKTEAV
6159	53	84	AVIAPLHISLGDARPYLENTHKSSFTCSRRRNQSPFPVMSLTH RLHLCKYWGCAVSNVCRFWGRPLPLMTIVVPYTLVSLPVGSCV IITGPTLLTFVKDPQLRVNFTGMDKSDIAQFRLHFGHPALM NSCVFGINRYBKCYLFPEDGKPFELCIYVRHEKYKVMVNGQR IYNFAHRPPASVKMLQVFRDISELTVLISD*GRCVRIITAVQBP DVSVS CDCTTAYQPG
6160	1626	1790	AGAKPPP*P*KVADAQPTSEKRIYQNVVVLKDAEGILEDLQS YRGAGHEIREAIQHPADEKLOKAWGAVVPLVGKLEKPYEFSQR

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			LEAALRGILGALTSTPVSPTQHLERBQALAKQFASILHPTLRPD ELKWTNPAIQNDPSYYRTLSRMRINNVPABGENEVNLANRM SLPYABATPMLKTLSDATTFVSENKILPIENTTCLSTMASVC RVMLSTPEYRSRFTNRETVSFCLVMVGVLLLYDEVHPVGAFAK TSKIDMRCIKVLKDQPPNSVEGLNALRTTTRALHDETTSKQI KSMQL*QLLTLVNGK
6161	455	1569	PVSGSSSLERANWSILRLMLGPEVAVSILCRDGIH*ILRRH* KSHVLEPLSSLALEEQCLALSLSWSTGKTGRAGDQPLKTISSDS TGQLELLMVNTRPRLQKVASNOARQFEWIAAFNYWHPPIVYS GGDDGLLRGWDTRVPGKPLPFSKEHTMGVCSIQSSPHREHILAT GSYDEHILLMDTRNMKQPLADTPVQGGVWRIKNEPFRHILLAA CNHSGFKILCQKAMEERQBATVLTSHLPDSLVYGADWSWLLP RSLQAPSWSPFNGLTKTADLKGASELPTPCECRENDNGGQH ARPSGSMKPLTEGMRKNGTQLQATAATTRDGVNPEADSAFSL LATCSFYDHALHLEWEGN
6162	1	586	RTIHATGRAGASPMHRLIVWRLAEANKQHVRCOKCLRFPHNTYR CTGKKYLYRPSRTAKLKALKKKKNNHLLQQSIGETNVERKAK KRSKSVTSSSSSSSDSSASDSSSEKSTSSSSSDSDTDESS SSSSSSASSTSSSSSDSDSSSSSQ*HQHR*QL*R*TKRE KREKLLHSYWDGLKTLIM
6163	1081	785	RIRSTTEGCAVRLHPTQNTGKARIMILLSVSLGRHWAFTYKPF TPVVFVFFPFPHRKB*VMQKNPMESREDEMMEKLNHVRAD MRLIMNYLVEGFKAARKFPMBSGIEPSVDLETDERIKIRE MLKQIQEALALINSHPPELLDTNRYLYPHLQQQHILIROR ETRAALREFAQTOLAEQGESRECLTEMRKTLALLAFDPSRES GCLLHTMQRQKVVSEVNAVLVDYENRESTPKLAKLLKLLMAQN ELDQKKVKYPMOTLSRGVIREPK
6164	90	406	PQSSPGRSRMRQDKLTGSLRRGGRCIKRQGGGVGTILSNVLKRR SCISRTAPRLCTLEPGVDTKLPTLEPSLGQNGPQQWYDALKA VARLSTGIPKEWRRKVNLTADHYLHSIALDWDKIMRFTFNERS NFDSDSMGIQIVKDLHRTGCSYCGQBAEQDRVVLKRVLLAYAR WKTIVGYCQGFNLAALILEVMEGNEGDALEIMYILDKVLPS YPVNNLRALSVDMAVPRDLLEMLPELSQHLDTLQRTANKESGG GYEPPLTNVFTMQWFLTLFATCLPNQTVLKIWDVVPFEGSHIIL RVSLAIWAKLGEQIECCETADFPYSTMGRLTOEMLENDLLQSHR LQTVYSNAPPPQLAELREKYTYNITPPFATVKPTSVSGRHS KARDSDEENDPDDDAVNVAVGCLGPFSGFLAPELQYQKQIKE PNEQSLSRNNIARLSPGAINSCRSEYHAFNSMMERMITDIN ALKRQYSRIKKKQQQVHVYIRADRGVPTSILPSQVNSSPVIN HLLGKDMKMTNRAAKNAVIHIPGHTGGKISPVYEDLTKLNS PWETHIRVKKRMPRTKSHPCGDTVGLIDEQNEASTNGLGAA RAPPSGCTATAGREGSSPEGSTRTITBQSPKPVFGDADVDVSA VQAKLGALRLNORDAAATELRVHPQQRHCPEPPSAPENEAT SKAPQGSNSKTIPIPSPPFSVPLRKSATARNLGLYOPTERTPTV HYPQMRSPSKPGGSGP*IMVFSSTMLSRQLPGYPOBYQRN GGERFG
6165	90	406	PQSSPGRSRMRQDKLTGSLRRGGRCIKRQGGGVGTILSNVLKRR SCISRTAPRLCTLEPGVDTKLPTLEPSLGQNGPQQWYDALKA VARLSTGIPKEWRRKVNLTADHYLHSIALDWDKIMRFTFNERS NFDSDSMGIQIVKDLHRTGCSYCGQBAEQDRVVLKRVLLAYAR WKTIVGYCQGFNLAALILEVMEGNEGDALEIMYILDKVLPS YPVNNLRALSVDMAVPRDLLEMLPELSQHLDTLQRTANKESGG GYEPPLTNVFTMQWFLTLFATCLPNQTVLKIWDVVPFEGSHIIL RVSLAIWAKLGEQIECCETADFPYSTMGRLTOEMLENDLLQSHR LQTVYSNAPPPQLAELREKYTYNITPPFATVKPTSVSGRHS KARDSDEENDPDDDAVNVAVGCLGPFSGFLAPELQYQKQIKE

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			<p>PNREQSLSRNNIAELSPGAINSCSEYHAAPNSMMERMITTDIN ALKRQYSRIKKRQQQVHQVYIRADKGPVTSILPSQVNSSPVIN HLLGKKOMENRAAKNAVIHIGHTGGKISPPVYEDLTKLNS PWRTHIRVHKHMPRTKSHPCGDTVGLIDEQWEASRTNGLGAA EAPPSGCTATAGREGSSPEGSTRETTEGQSPEPVGDADVDVSA VQAKLGALRLQORDAAATELRVHPQCQRHCPEPPSAPBENKAT SKAPQGSNSKTPFSPFPSPVKPLRESATARNLGLYGPTEETPTV HPPQMSRSPSPKPGKNSGP*RMVSSGTMLSRQLPGYQBYORN GGERFG</p>
6166	2	1206	<p>HKLWRTVAMAGAEMKSLRECELEKHLPLDQEVKRVLYGKELRK LDLPREAFEAASREDPELQGYAFHAAEQLRPRIVHVLVQNR IPLPANAPVAEQVSALEHRIKATVEVAAMCGVNIICFQANTMP FAPCTREKLPWTEFASAEADGPTTRFQOKLAKNEDMNVVSPILE RDESHDVLMTAVVISNSGAVLGKTRKNNHPRVGDENEETTYM EGNLGHPVFTQPGRIAVNICYGRHHPANMYSINGABIIFNP SATIGALSELNPIEARNAAIANHCFTCAINRVGTEHPNEFTS GDGKFAHQDPGYFYGSSYVAAPDSSTPGLSRSDGLLVAKLDEL NLQQQVNDVWNPMTGRYEMTARELABAVKSNYSPTIVKE*PAS VPAIG</p>
6167	1220	1844	<p>YGIIVTGPSLCAGDKQPKRQENPVLVSPFVDEALCACREYLSN LAEMDIDKLEAPLYLTFEGNSLFLQRYQVVEGAELEHLDTO VQRCEIILQQLQAVVPQIDMEGDENIWIIVKGAKSRRGIMCND HLEMLKLVNGEPVVMEDGKVVQKYIERPLLIIFGTPDLRQWF LVTDNPLTVWFYRDSYIRFSTQPFSLKNDK*APLYLTFEGNS LFLQRYQVVEGAELEHLDTOVQRCEIILQQLQAVVPQIDMEG DRNIWIIVKGAKSRRGIMCNDHLEMLKLVNGEPVVMKDGKVV VQKYIERPLLIIFGTPDLRQWPLVTDNPLTVWFYRDSYIRFST QPFSLKNDK</p>
6168	84	1392	<p>VNPVPSVSAMPFKKQQAAGGSKKABQKKKEKIIBDKTFGLKNNK GAKQKFKIKAVTHQVKFQQNPQVQAQSEAEKKLKKDDKKKRLQ KLNKLKPVVAAQKLSKADPKSVVCAFFKQGGCTKGDCKCFSH DLTLERKCKRSVYIDARDELEKDTMDNDEKKELEVNNKKRG EAKKKPKTQIVCKHFLAIEENKYNFWVCVGGGDI CMYRHAI PPGFVLKKKKKKKKRDRI SL*DLIERERSALGPNVTKITLESF LAWKKRKQKIDKLBQEMERRKADPKAGKALVISGREVFEPFP KLVDDEDAADTRYTQGTGGEVDDSVSNDIDLSLYTFRDVD ETGTTVASLERPSTYTSDDKENKLSRASGGRAENGERSDLREDN EREGTENGAIADAVPVDENLFTGEDLDLEKRLNTILOLE</p>
6169	112	662	<p>APAAAMAEPRDLNLPNAVITRIYKALPGVNTISKARSASIR AASVFLYATSCANNFAMKQKRTLNASDVL SAMKEMRFQRPVT PLKALEAYRREQKQKBASEQKKRDEKKTDEEQDKSRDEDN DEDEKRLERREQNEEREVDN*KGRETVPKVPLEMRATCPCE APPCMAE</p>
6170	62	667	<p>STRVMLPNTGRLAGCTVFTGASRGIGKALAKAARDGANIVIA AKTAQPHPKLIGTYTAABEIEAVGGKALPCIVDVEBQQISAA VEKAIKFGGIDILVNNASAI SLNTLDTPTKRLDLMNNVNTRO TYLASKACI PYLEKSKVAHLPNISPLBLNPNVWFQKCGRW*VV G*GDGLCLICFELNLCMSDVITICT</p>
6171	382	941	<p>HFMQSDVELDCDIBPCGHTKFPPTLPLSTTVIVCSCHPVATAST MAEAFSEKTTSEEDQSIQBPKEANSMTAQKQK*GLRGSRRRHAN SGGDI FGDSFAAYFPRLVQVHQALSLSQEAHSVMDSMVRDILD RIATEAGHLAHYSKCVTITSRDRMAVCILLPGRMCKLAESQGT NATLRYTKSK</p>
6172	651	54	<p>GLCRAGGAHRFSRTHVEAALKMLRREARLEREYLYREARBEAQR SAQERKRLKRALEENRLIPTELRRALALQGSLEFDAGRGV TSHVDEYRWAGVEDPKVMIITTSRDPSSRLKMPAKHLKLVFPGA</p>

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			QRMNRRGRHEVGALVRACKANGVTDLVVRHRRGTPVGLIVSHLP FGPTAYFTLCNVVMRHDIPDLGTMSKAPHLITHTGSSRLGKRV SDILRYLPFPVXDDSHRVITFANQDDYISFRHHVYKCTDRNVB LTEVGPRPELKLNYIRLGLTLEQATADVEWRNHPYTNARKRVF LSTE*AAAPRPLGQLL
6173	3	288	SVDHREVSQVLSQSMPLTPHQAVLRGRRPYMVCROGKCPGRSSHL LQHQRIHTGKRPVCSVCGKAFPSQSSVLSKRTIHTGKPYECN ECGKAFRVSSDLAQHKKIHTGKPEHCLECKAPTOLSHLIQHQ RIHTGERPYVCPLOGKAPMHSVLSHQVRHTGKPHRCNECGK TFSVKRTLLQHQRIHTGKPYTCSGCKAFSDRSVLQHRNVHT GKPYECSECGKTFSEHSTLMNHRHTGKPYACYSCKAFVQ HSRLIQHQKVRKL*PTCVLSVGSALAGVTPSPSISVSTLERSP MCAVYVGRPSARAQSLVNTGQPTQVRSFMSVMSVERPLE
6174	1060	959	PRPFGKRNWVAGLGNPGLFGTRHSVGMVGLQALARRLGVASWT RDRHCADIALALAPLGDALVLEPRRIANRGRSVARARLFG TAEVYLVDRLDRPLGRALALGLGSGARGHGVRSCLISLNSNA MRRLRVGIGRPAHPEAVQAHVLGCFSPARQELPLLLDRATDLI LDHTRERSQGPSLGP*H*WFSKIA
6175	2204	334	RYPRADPRSESGQPRABGLGAFABOPLRAMAAPVGNKQSTEG DALDPPASPKPAGKQNGIQNPISLEDSPGAGGEREEBQREBBO APLVSLYKPMKERTHTP IERVPHLGFKQINLMKIYKAVKLLGAYE LVTGRRLLKNVYNELGSGPGSTSGATCTREHY*RLVLPPYVRLK GHDDKPLPTSKPRQYKMAKENVGUDGATERPKKAKERRMDQM MKGKTKADAADPAFLPSQEPNTEQGLASGSSSVFVGASGC PEAYKRLSSPYCKGTHGIMSPLAKKLLAQVSKVEALQCQEBG CRHGARPQASPAVHLPSQSPFGLTENSRRHLTFQEGLOAPGG SLREBAQAGPCPAAP I PKGCPYTHPTVLEKPVSQHPRDFPSRLK DOVLLGPPGKRGSLVKEPQLVNGGDANRPSAFHKGSRKGI LYP KPKACNVSPMAKVPASFTLPPTFPSSPGLGSKRSLEERGAHS GKRLRAVSPFLKEADAKGKAGKAGSGLVSLI GPALGFVPPPEA YRGTMHLCPLNFTGTGPKLQGAALPFPPLVIPAPPAHFLATAG PSPMAAGLMHFFPTSFDLSALRHRLCPASSAWEAPPVITYAAPH PHLNTKL
6176	1040	402	PLSALRAMABVHVIGQTI GAGSGFSESLFCRMGIHTGAANKLS GVRRGQIQVDTFQIGDMAYWSHPIDLHFAKGLQGNPRLHFQVW SQDSFGRCQLAGYGFCHVPSPGTHQLACPTWRPLGSWRBQLAR APVGGGPQLLHGDTIYSGADRYRLHTAAGGTVHLRIGLLLENPD RYGVEC*GLLPPTSPFSTPRTPSDGGGWHSGQRHL
6177	1400	992	VPRESLVGKVHNPFLIAPYCCBKQKQPHKSLHRCPCFRALDPN CSHCYLDQIKRSDPLGFSGYSPHEVAISTSEHQMPPSSMQQAL PSQ*PYWTDPRPALVPCSHRPDVERSRPGFGLPGTSGCSDRPP VCPI
6178	1027	254	STQGGIKGVARAASLVGRRRAGTGNALLCLVCLTAALAHGCL HCHSNFSKQPSFYRHVNFKSWWGDIPVGCALLTOWSDDTMKE LELAI PAKITREKLDQVATAYQMDQLYQGMYPFGYFPNELR NIPREQVHLIQNAIIESRIDCQHRGIFQYETISCHNCTDSHVA CFGYNCBSSAQWISAVQGLLNY INNWHKQDTSMBPSSAPSWPG THRAAPAPLVLPALRCLEPPHLANLSLEDA*CLKQH
6179	806	276	RGETREMAGNLLSGAGRRRLNDWVPLACRSFSLGVPRILIGIRLTL PPPKVVDWNEKRAMPGVYDNIIGLGNFEEKHPKELIRGPWLRG WEGNELQRCIRKRMVGSRMFADLEHMLKIRIYLYKHPNRHKG FR*KRKLETSKKAHLSWRRRTVLFPVRKRLCIFSVIRKQFPPI
6180	156	1833	DHHLKAASTTHVCARGNIPATPNTCLC*ATATPSSLEBQN* SHLSLCLPLATTSGLTNSMIPEKRRQNIARLLRVNMCADLGL SVVSGKBPLKLAQTLVDSGARYGAPSVTEILGNFTLALAKHLPR MYNQVKVKTALGSNACLGIGVTCHSQSVGPDSCYILTAYQAE

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			QNHKSYVLGVKADIRDSGLVHHWVQVLSFVMSBIRTYYV TDCRVSTSAFSKAGMCLRCSACALNSVQSVLSKRTLQARSMHE VIELLNVCEDLAGSTGLAKETFGSLEETSPPPCNSVTDLSLLV HRRYEQICEFYSSRAKKNLIQSLNKHLLSNLAAILTFVQAVIE LSNESQPTLQLVLPITYVLEKLTAKANDAGTVSKLCHLFLHAL KENFKVHPAHRKVMILDPQOKLRPVFPYQHEEIIQKVCHEINEV KESWAEBADFSPAAXKPRSAAVENPAAQEDDMLGNEVYDYLQE PLFOATPDLPQYNSCVTQKHTLAKLAFWLLAVPAVGARSGCVN NCEQALLIKRRRLSPEDMNLMLPLKSNML
6181	169	1032	TTTLSPVLPGPRNKPWRERRPAGPLALPAILQPRYRENAFLPI YTLIQCGHSWIFTHMTVRFPSFGKDSWVTFYAGLVMLCQS VSLLELLHIYVGIBSNHLLPRPLQLTERIILPVVITSQEBVQB KTVVCVLPVFPVNLDMVRYTYSMLSVIGLSYAVLTWLSQTLAMP IYPLCVLARAFAIYQSLPYFESFGTYSKLPFDLSIYFPYVLKI YLMMLPIGMYPITYSHLYSERRDILGIFPIKKKKM*STAFQCDTR KDRLNIQCSK*NTGSILVEKPLVF
6182	1769	1224	AS*IDYQNLTLKKEFQLTENFKLRVLTCSLIEDMAAAYFPDCI VRPPGSSVNTFGKLCGLDMFLDLDETNRNLSAHKLSGNFLMEPO VHFVPSERIATQKILSVLCBCLDHPGCGVGVQKILNARCPVLR PESHQASGPOCDLTNNRIALTSEELLYYGALDSRVRLVFSVR CMARAHSLTSSIPGAMITNPSLTHMVIFFLQRRSPPILPTLDSL XTLADAEOKCVIEGNCTFVRDLRSIKPSQNTETLELLKEFFB YFGNFAFDENSINIROGREONKPDSSPLYIQFPFETSLNISKQV SQSQQLQKPVDLARESAMIQQEDTDRPSSISNRPWGLVSLLLPS APNRKSPFKKSNKFAITVKNLLESLGHRNTENPTTSGKRTI STQT
6183	1118	452	HLDRYIKSPGSGSSTPAPPSHLLLYLHPQSTRTWCCGCSRGCC GSGCGGCGS9CGGCGSGCGGCGSGRGGCGSGCGGCS8SCGGCGS RCYVPVCCRPVCSWVPACSCTS CGSGSGSGGCGSGSGSGGCG GSGCGCSQSSCCRPCCSSGCGSSCGQSSCCRPCCQSSCCVPVC CQSSCCRPCCQSNCCVPVCCQCKI*GSGRPSPGSPCLVKAFLM VP
6184	1	2191	IVTVREHDCAPAVAPPGVVVSRANKRSGAGPGSGGGGARGARE BPPPLQAVLVADSFDRFFPFIKDKQPEVLLPLANVALIDITLLE PLTATGVQRTTFVPCCKRAAQIKKHLKSKWCRPTSLNVVRIITS ELYRSIGDVLDRVDKALVRSDFLLVYGDVTSNINTTRALEHR LRRKL*KNVSVMTMIFKESSPSHPTRCHEDNVVAVDSTTNRVL HFQRTQGLRRFAPPLSLFQGS SDGVVRYDLDLCHLSICSPOVA QLFTDNFDYQTRDDFVRGLLVNERILGNQIDMHVTAKEYGARVS NLHMYSAVCADVIRWVYPLTPRANPTDSTTQSCHESENIRYRG PEVSLGHSILEERNVLGSGTVIGSNCPITNSVIGPGCHIRPGD NVVLDQTYLWQGVRAAGAQIBQSILCNABEVKERVTLKPRSVL TSQVVVGFNITLPEGSVISLHFPDAKEDDDGEFSDSGADQEK DKVKMGYNPAEVAAGKGYLWKAAGMMEREERELQQLNLGLKI NMEERSESESEQSMDSKRPDSRGGSFOMDDIKVFQNEVLGTLQR GKEBNISCONLVLEINSLKYAYNISLKEVMQVLSHVVLFPPLQ MDSPLDSSRYCALLPLLEAWSPVFRNYIKRAADHLEALAAIED PFLEHREALGISMAKVLMAFYQLEILAEETILSWFSQRDTTQKQ QLRKNQQLORFIQHLKEERESSEDD
6185	791	44	PCTSCVLNATLHLPASTRKAPQARCGNISITWQKIGVGI TGF IPFIFLGTLLYFDSVLLAFGNLLFLTGLSLIIGLRKTFWFPFQR EKLKGTSPLLGGVVIVLLRWPLLCMFLETYGFPSLPKGFPPVAF GFLGNVCMIPPLGALFRRLQGTSSMV*RTMSSINLDBHLRGAK REWRPPQSPALTHSPYTPGPQVQKERNCAEQLTENPQVDSR GCQBAEMQTPRRLGAGWYHTLTLYLWEEK
6186	569	238	VYGDSSNTINTHGAKERNRKLKHKHKLCHAQSRLDVNGLALKMA

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			KERKVENKVRNKADTEVFANSPTNORIMPTEAILPDSGSGVIS NIRNQMTLHSQPHQENLCFENSFSLIDLLPINAHEPTSSQOI PHEITSEANKERRRNTSSKSESNIYSPLTSFTTADSEIHDITKD LEDCLMVGLSTCGDLAPWTLRIPTSNSEIKVCVSGCCTHLLSR EFENQHKERTQERWGPFWCHYLKERRWCCGRNARMSACIALERBV AAGQGLPTESLFYRAVLQDIIDKDCYITKCDREVGKIYSKCS3P LOTVRRSLKRLGLDESKLPEKIIMNYEYKTPMNELEAFNMLK VVLAPCIETLILLDRLCYLKEQEDIAWSALVKLPDPVKSPPCYA VIALKKQQ*PFLKQIIRICISL*DSAGCAEBSVSGDGGPALRDAP PSGSRVSGEYD
6187	1701	771	DANGPSTRILARILNPDSVTEPRPCRLPELEATRPHEMPEKASCPA AAPLMERKPHVLVGVTGSVAALCLPLLVSKLLDIPOLEVVAVTT ERAKHFPYSQDIPVTLYSDADEWENKSRSDPVLHIDLRNADL LLVAPLDANTIGKVASGICINLLTCVMRANRDSKPLLPCEPAMNT AMWEHPITAQVVDQLKAPGYVEIPCVAKLVCDEGLGAMAEVVG TIVDKVKEVLPQSGGPOQS*PGLSVMGVPLYSEWQAKSVEMDV GKIGGYPHLNGGPALSIPRGOACSKLNWTEGPGLSFPQGEAA A
6188	238	1534	KGFVNAGPLPAHLQVSPQMKAFEMSDICLSGHPSA*GPRNASH NIGVPICITRCAGDHRNLGVHISRVKSVNLDQWTOBQIQCMQEMO NGKANRLYBAYLPETPRRPOIDPAVEGFIRDXYERKRYMDRSLD INAPRKEDDKWRGSEPVPEKLSFVVEKVKMPQKEEDQLP RKSSPKSTAPVMDLLGLDAPVACSTANSKTSNTERKDLILLASV PSPSSSGSRKVVGSMPTAGSAGSVPELNLFPPEPGSKSEEIGKK QLSKDSILSLYGSQTPQMPTQAMFAPAPQMAYPYATYSPFGVTP PNSIMGSMMPFPVGMVAQPGAGSVAPMAMPAGYMGGNQASMG VPNGMNTTQAGYMAGMAAMPQTVYGVQPAQLQNLNTQNTQCM AGNMPYGANCMNYGQSMGSGNEQANQTLSPOMWK
6189	1197	793	LQEPGLDGLCELIPODVQQLMGSEVVEPTQAQGSAAQSVAG3VQL TQLSHARQRPSCQGSQJIALDLQHMDSERQPRWQHVPVARGVO RAQQAQLABGVAVHLWAGDAVVAEYELLQEVGGGKVFANACDL VVDHEGAHAARQATGHALQRTVIVQVRVQPLRAL*RVPSGLPR RVRAFMLAHNQITGIGERDFATYTFLEKLNLSYNRTTSPQVHRD APRELRLRLSLDLSGNELEMLPPGLFPRNVVLEKVRNELAALAR GALAGMAQLRELVLTSNRLRSRALCPRAWDLAHLQLLDIAGNQ LTIPIEGLPESLEYLYLQMNKISAVPANAFDSTPNLKGIFLRPN KLAVGSVVD5AFRLKHLQVLDIEGNELEFGDISKDRORLKGKKE EEEDDEVEHEFT
6190	66	1309	ILVGNVSFLLSPARTVCNCSVVGSLFVNRCNOTTGQCECRPGYO GLHCSTCKEGFTLNTTSGLCQPCDCSPHGALSIPCNSSGKQCK VGVIGSICDRQDGYGFSKNGCLPCQCNRSASCDALTGACLN CQENSIGNHCECKEGFTYQSPDATKECLEPCSAVTSTGSCSIK SSELEPECDQCKDGYIGPNCNKGNGYTNFDSICRQOCHGHVY FVETPKICKPESGECINCLNITGFWCENCL*GVVHDLGECIK KVILPTPEGSTILVSNASLTTSVPTPVINSTPTTTLQTI FSVS TSENSTALADVSWTQFNIILTVIIIVVLLMGFVGAVMYRE YQNRKLNAPPWTIELEKDNISFSSYHDSIPNADVSGLEDDGNE VAPNGQLITLTPIHNYKA
6191	1212	1511	VNLCHGGLLHLSTHHLGKPEMH*LFFMLSFPHLTPOQPRCPSP MIDWIKKIWIYITMEYYATTIRNBTMPFAGTWMEMEATILSKLM QDYMPSLISGS
6192	3	950	IRGCGNKMAGKKNVLSLAVYAEDESEPEDEAGIEAVGSAAE KGLVSDAYGRDDPSRLGGDEGYHREDENSRQSEDDDSERK PEADDPKDNTAEKRDQRLVASFSERVRNMSFDEIKIPRPPG RCSNHLQDKIQLYERKIKGMDMNYIIQRKKEPRWPSIYEKLI QFCAIDELGTNPKDMDFPHGWSDESYREALAKAQKIBMDKLEK

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			AKGERTKIEFVGTGRTGTTNATSTTTTASTAVADAQKRKSKW DSAIPTVTIAQPTILITTTATLPAVVTVTTSASGSKTIVISAVGT IVKQAKQ
6193	3	950	TRGCGNMGAGKQNVLSLAVYARDSEBSPDGEAGIEAVGSAABE KGLVSDAYGEODFSRLGGDEOGYBSEBESRQSEDDDSZTBK PEADDPKDNTAEKRDPOELVASPSERVRKMSPDRIKIPPEPPG RCSNHLQDKIQLYERRIKBGMNYIYQKRPFRNPSIYEKLI QFCAIDELGZNYPKDMFDPHGSSEDSYFALAKAQKIMDKLER AKKERTKIEFVGTGRTGTTNATSTTTTASTAVADAQKRKSKW DSAIPTVTIAQPTILITTTATLPAVVTVTTSASGSKTIVISAVGT IVKQAKQ
6194	3	950	TRGCGNMGAGKQNVLSLAVYARDSEBSPDGEAGIEAVGSAABE KGLVSDAYGEODFSRLGGDEOGYBSEBESRQSEDDDSZTBK PEADDPKDNTAEKRDPOELVASPSERVRKMSPDRIKIPPEPPG RCSNHLQDKIQLYERRIKBGMNYIYQKRPFRNPSIYEKLI QFCAIDELGZNYPKDMFDPHGSSEDSYFALAKAQKIMDKLER AKKERTKIEFVGTGRTGTTNATSTTTTASTAVADAQKRKSKW DSAIPTVTIAQPTILITTTATLPAVVTVTTSASGSKTIVISAVGT IVKQAKQ
6195	736	235	VANGLQSNMPEFYCYCDTYLTHDSFSVRKTHCSGRKHQENVKD YYQXNMBEQASLIDETAAFOQQKIPPTPSAPPAGAMIPPP PSLPGPPRPGMMPAHNGGPPMMPMGPPPGMMPVGPAPCMRP PMGEMPMMPGPPMMPPARFMMVTPRPGMDRDR
6196	1512	623	KTGKRRSAAYVRNILENAQVINSLEARNLSPRLTPLLQBEDSH QRLLMGLMVSELKDHFLRHQGVREKKIEQWLDYISKLIDLTL HIVETNNRKHLSVNLHFNRSQSAABFAVPHIMTRILEATNSL FLPLPPGPHFTLTLTGVOCLPLNLLCIDSGVILLTETAVIRL MKDLNTEKNEELKFSIIVRLPPLIGQKICRLWDHPMSSNIISR NHTVRLQNYEKQPRNSMINKSSPSVRFPLPNYFIEILTDIERS NQALYPPEGHNDVAEFVEBAALHTAMLLGL
6197	3	819	ADPBGTEZAVMSRYTRFPSTSLFIEINVADATRPDLRREFGRYG PIVDVYTLDFYTRRPGFAYVQPEVDVDAEDALYNLRKIVCG RQIRIQPAQGDRTTPQOMSKERHPCSPSDHRSRSPSQRTRS RSSSWGRNRRRSDSLKSRHRRPFSYSQSKSRKSLPRRSTARSQ SRTPRRBTGSRGRSRKSLQKRSKSGIKSGSSSPQKOTBSGTS RSHGRHSDIARSPCKSPGRTNFPETRVQTAHSHFPRSHRSRS YHRKNSW
6198	111	1912	SEAALSPTSFPACPTLRLPALREDGTLPHPDTLGMNYEGARSE RENHAADDSGGALDMCCSRRLPGLPQPIVMALDRAEGLQDSQ RAMPVPPPPSPSPDPAQKDPDPRGAGSHSLTVRSSLCVFAASQFL LACQWLPSPGYGHIWQNAENLVSSLTLKLEPTAWLDGSGT GVPSLLLVFLSGGLVLTVLNELLRTPPRPPTPLPPEDRRQSV SRQSPFTYSEWMBEKIEDDFLDDVPVPTVPFDCVMDIKPEADP TSLVSMGLQRRRGSNVSLTDMCTPGCNBEGGYLMSPRRS AREYLLSASRVIOABELHEKALDPLLOAEFFRIPMNFVDPKRY DIPGLVRKNRYKTLFNPBHRVCLTSPDDPDLSSYINANYIRG YGBEKVYIATQGPVSTVADPRMVMQERTPIIVMTNIEEMN EKTETWPREQVADGVSTTVQKVINTEDYRLRLISLKSGBTER GLKHYPWTSWPDQKTPDRAPPLLELVRBVBAAQGEQPHCAPTI VLSACIGRTGCFIACSI CCQQLRQGVVDILKTCQLRQDRG NIQHCQYQFVHVBNVSLYEQLSHQSPF
6199	144	1211	NARENGRSSSWKKQAEQIKKIFPKETLGTGAPSEVVLLAREKA TOKLFAVCKIPKALGKSSIEWEIAVLRIKIHENIVALEDTY RSPNHLVLMQLVSGGKLFDRIVERGFTEKDASTLIRQVLDAV YYLHRMGIVHRDLKPENLVYSQDESKIMISDPGLSKMECKGD VMSACGTGYPVAPHTLACKPYSKAVDCWSIGVIAITLLCGYPP

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *-Stop Codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
			FYDENDSKLFEQILKAEYEFDSFYWDDISDSARDPIRNLMEKDP NKRYTCEQAARHPFIAGDTALNTNTHESVSAQIRKNFAKSEWRQ AFNATAVVRMRKILHIGSSLDSSNWSVSSSLSLASQKDCASGTF HAL*
6200	702	96	LPEVPHSLRPRVPRHLCQAQPAVRVNRILPRLAVFDLDYTLWPF WVDTHVDPFPHKSSDGTVDRRGQDVRLYPEVPEVLRLQSLGV PGAAASRTSEIEGANQLLELFDLPFYFVRETYPGSKITHFERL QQTIGTFPSQMIFFDDERRNIVDVSKLGVTCTIHQNGMNLQTL QGLETFAKAQTFPLRSSLESPFEA
6201	2809	2383	GQTPRVWNRRLRSLRAGKRRQTAGRKSESPKPVIVIQDSSLFA GPPQPIRILKRPTSGGVSSPNSTERPTLPVKSQAQREAEYARA RKRILGSASPEBQKPKILDRPTRISQPEDSRQPNVIRQPLGP DGSQGFQRR
6202	2	426	INADRAAVASSLSRPTREMAPOKDRKPKRSTWRNLDLTHPVE DGIFDSGHFEQFLREKVKVNGKTENLGNVNHWRPKNTITVSR KQPSKRYLKYLTCKYLNKONLRDNLVAVASDEKTYELRYFQISQ DDEKSESD
6203	419	2550	RCPRFPATAGAAASRPDRSPSGISGSEAAAGAGAAAPASQHPA TGTGAQVTEAMKQILGVIDKLENLSEKKRGLDDYQEBMNEGER LNQDQLDVASKYQEVNTNLEPAKELQRSFNALSQDIQRTIKKTA RREQLMRHBAEQKELKTLVLEQYVLDKLGDDDEVRTDLKQGLNGV PILSEKELSLDDEFYKLVDPFERDMSLRINEQYEHASIHLDLLE GKEKPVCGTTYKVKETIVERVQSYFDSSTHNNQNLCEKEAA SAPAVEDQVPEAEPEBAYTEQSEVESTBYVNRQFMARTQPTS GEKEQVDEWTVETRVVNSLQQQQAASPSVPEPESLTPVAQAD PLVRQRQVDLMAQMGPPYNTIQDMSHLDENQTLDPALVSAQPM NPTQMDMPQLVCPVHSESLAQPNQVPEQPEATQVPLVSSST EGYTASQFLYQPSHATBQRPQKRPIDQIQATISLNTDQTASS LPAAASQPVQFQATSKPLHSSGINVNAAPFQSMQTVFEMNAFVP FVNEPETLKQSQYQASTNDSFSSQPHQVQTELOQBQLQTVVG TYRGSFDQSHQVTGNHQPPQNTGPPRSNQPYNRSRGVSRGS RGARGLANGYRGPANGFRGGYDGYRSPSNTFNSGYTQSQPSAP RDYSGYQDGYQQNFRGSCQSGPRCAPRGCGPPRPNRGMFQM NTQQVN
6204	2933	787	CTHNLXSLGGBALHFNRLNLKIQEGBAHNIFCPAYDCFLV PGDIKSVVSKEMDKRYLQFDIKAPVENNPAIKWCPTPGCDRAV RLTKQGSNTSGSDTILSPILLRAPAVDCGKHLFCWECIGRAHP CDCQTWNKWLQKITKPEELVGVSRAYEDAAANCLWLLTNSKPC ANCKSPIQKREGCNMQCAKCYDFCWI CLREWKHS FVHWEVI YRCTRYEVIQHVFEQSEBNTVEARKKHKRFQRLDRFMHYTTFK NHEHSTQLBQRLKTAKEBQSLRALKETEGGCPDTTFIEDAV BVLLKTRILKCSYPYGFLEPSTKXIPELMQTDLEMTEDL AQVNRPYLRTPRHKI IKAACLVOQERQEFASVARGVAPADSP EAFERSFAGGTNDWBYLGPASPEETARPOYRRRHRQRRGDVHS LLSNPPDPDEPSESTLDIPEGGSSRRPGTSVSSASMSVLHSS SLRDYTPASRSEMQDSLQALSLOEDDPNILLAIQLSLQESGLA LDEETRDPLSNBASLQAGTSLPSRLDSVPRNTDSPRAALSSE LLEIGDSLMLRGAENDPPTDITLSEPLSEARSDFCPSSSDPDS AGQDPNINDNLIGNIMAWPHDMNPQSIALIPATTEISADSQLP CIRDGSEGVKVELVLPEDSMFEDASVSEGRGTQIEENPLEBNI PGGKQHPQAN
6205	1	1200	RAHRGKMALEVGDMEDQGLSDSDSMTVAPSDRPLQLPKVLGGD SAMRAPONTATACAPVSHYRAVESVDSSESPSDSDDSCLWKR KRQKCFNPPPKPFPQFGSSSQKPPVAGGKKINNIWGAVLQEQN QDAVATELGLLMEGTIDRSRQSETYNYLLAKLRKESQEHKQ LDKELDEYMERGGKMKSSKEBENGQGHLLRKRFPVDRRLGNRPMH

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6206	10	1442	YKGRYEITARDSQEKVADEISFRLQEPKDLIARVVRITGNKKA IELIMETAEVQNGGLPIMNGSRRRTPGGVFLNLLQVTPSISEE QIEDIFTYIENQREYENKKAARKRETQVLGKRMKQAIKSLNFORO DOTSRETFSADTNEALASLDESQBGHAEAKLEABEAEVDHSHD LDIF YTSERRERSCLHLVCIRCSQVVEGSGVLGLCSNASWIPCLGGS APCLLCRCCPSGNNSTVRLIYALFLLVGVCAVCHLIPGNEEQ LNKIPGPCENEGVVPQNLVGYEAVYRLCPGLAMPYLLLSLLM IKVSSSDPRAAEVHGFNPFKFAALAIIGAPPIPEGFTPTVN PYVGMAGAFCFILQLVLLIDFAHSKNESWVERMEBGNRCWYA ALLSATALNYLLSLVAIVLPVYTHPASCSSENKAPISVNMLLC VGASVMSILPKIQESQPRSGLLQSSVITVYTNLTWSANTNEPE TNCNPSLLSIIGYNTTSTVPKGGQSVQWHAQGIIGLLFLLCV FYSSIRTSNNSQVNLILTSDESTLIBDGGARSQGSLEDGDDVH RAVDNERDGVYISYSFPHMLPLASLYIMTLTNWRYEPEPREM KSQWIAVWVKLSSSWIGIVLYVVTLVAPLVLTNRDFF VMABAAATPGTATTSGAGAAAATAAASPTPIPTVTAPSLGAG GGGGGSDGSGGGWTKQVTCRYPMHGVCKEBCNCRYSHDLSDSPY SVVCKYFQRGYCIYDRCRYEHSKPLKQDEATATELTTSKSLAA SSLSLSSIVGPLVEMFTGEABSRNSNFATVGAGSEWVNAIEFVP GQPYCORTAPSCTEAPLQGSVTKESSEKQTAVETKQLCPYAA VGECRYGENCVYLHGDSQDMOGLQVLHPMDAAQRSQHIKSCIEA HEKDMELSFVQSRKDMVCGICNEVVYKANKPSERRFGILSNCN HTYCLCKIRKWSAKQFESKIIKSCPECRITSNFVIPSEYVWE KEEKQRLILKYKRAMSNKACRYFDEGRGSCPPGGNCFYKHAYPD GRREBPQRQKVGTSRYRAQRNHPWELIERRENSNPFNDDEE VVTFLGEMLLMLLAAGGDDDELTDSEDEWDLPHDELEDYDLDL TMABAAATPGTATTSGAGAAAATAAASPTPIPTVTAPSLGAG GGGGGSDGSGGGWTKQVTCRYPMHGVCKEBCNCRYSHDLSDSPY SVVCKYFQRGYCIYDRCRYEHSKPLKQDEATATELTTSKSLAA SSLSLSSIVGPLVEMFTGEABSRNSNFATVGAGSEWVNAIEFVP GQPYCORTAPSCTEAPLQGSVTKESSEKQTAVETKQLCPYAA VGECRYGENCVYLHGDSQDMOGLQVLHPMDAAQRSQHIKSCIEA HEKDMELSFVQSRKDMVCGICNEVVYKANKPSERRFGILSNCN HTYCLCKIRKWSAKQFESKIIKSCPECRITSNFVIPSEYVWE KEEKQRLILKYKRAMSNKACRYFDEGRGSCPPGGNCFYKHAYPD GRREBPQRQKVGTSRYRAQRNHPWELIERRENSNPFNDDEE VVTFLGEMLLMLLAAGGDDDELTDSEDEWDLPHDELEDYDLDL ERLCFFPMQSKIYSYSPMKCSGNRPPLQRENSVTHREVKCQK PLAGIYRREERKRNAGNVRSAKSEBQIKDARKGPLVPPFNQ KSBAAEPPKTPPSQDSTHAATROALKEPIKQKQAPREKAQK TQNRRLTDFYPVRRSSRXSKARLQSEERKIDELIESGKEBGM KIDLIDGKRGVIAIRQPSREGDFVVEYHGLIBITDARKREALY AQDPSTGCMYYPQLSKTYCVDATRETNKLGRLINHSKQGNCO TKLHDIDGVPHLILIASRDIAAGRELLYDYGDRSKASIAHPWL KH IFGMSKLRMVLLSDSGSADFRHFVNLSPTTITVVLLLSACFVT SSLGGTDKELRLVDGENKCSGRVEVKVQBEWGTVCNNGWSMBV SVICNQLGCPATAKAPGWANSAGSGRIWMDHVSCHNESALND CKHDGNGKHSNCTHOQDAGVTCSDGSNLEMLTRGGNMCSGRIE IKFQGRNGTVCDNFNIDHASVICRQLECSAVSPSGSNPFGE SGPIWFDLICNGNESALWNCRHQGWGKHNCDAEDAGVICSKG ADLSLRLVDGVTRCSGRLEVRFGGWTICDDGWSYDAVACK QLGCPATAVTAIGRVNASKGFHILWDSVSCQGHFAVWQCKEHE WGRHYCNHEDAGVTCSDGSLRLRLRGGSRCAGTVEVEIQRL LGRVCDRGWLREADVCRQLGCGSALKTSYQVYSKIQATNTWL
6207	2924	1471	VMABAAATPGTATTSGAGAAAATAAASPTPIPTVTAPSLGAG GGGGGSDGSGGGWTKQVTCRYPMHGVCKEBCNCRYSHDLSDSPY SVVCKYFQRGYCIYDRCRYEHSKPLKQDEATATELTTSKSLAA SSLSLSSIVGPLVEMFTGEABSRNSNFATVGAGSEWVNAIEFVP GQPYCORTAPSCTEAPLQGSVTKESSEKQTAVETKQLCPYAA VGECRYGENCVYLHGDSQDMOGLQVLHPMDAAQRSQHIKSCIEA HEKDMELSFVQSRKDMVCGICNEVVYKANKPSERRFGILSNCN HTYCLCKIRKWSAKQFESKIIKSCPECRITSNFVIPSEYVWE KEEKQRLILKYKRAMSNKACRYFDEGRGSCPPGGNCFYKHAYPD GRREBPQRQKVGTSRYRAQRNHPWELIERRENSNPFNDDEE VVTFLGEMLLMLLAAGGDDDELTDSEDEWDLPHDELEDYDLDL TMABAAATPGTATTSGAGAAAATAAASPTPIPTVTAPSLGAG GGGGGSDGSGGGWTKQVTCRYPMHGVCKEBCNCRYSHDLSDSPY SVVCKYFQRGYCIYDRCRYEHSKPLKQDEATATELTTSKSLAA SSLSLSSIVGPLVEMFTGEABSRNSNFATVGAGSEWVNAIEFVP GQPYCORTAPSCTEAPLQGSVTKESSEKQTAVETKQLCPYAA VGECRYGENCVYLHGDSQDMOGLQVLHPMDAAQRSQHIKSCIEA HEKDMELSFVQSRKDMVCGICNEVVYKANKPSERRFGILSNCN HTYCLCKIRKWSAKQFESKIIKSCPECRITSNFVIPSEYVWE KEEKQRLILKYKRAMSNKACRYFDEGRGSCPPGGNCFYKHAYPD GRREBPQRQKVGTSRYRAQRNHPWELIERRENSNPFNDDEE VVTFLGEMLLMLLAAGGDDDELTDSEDEWDLPHDELEDYDLDL ERLCFFPMQSKIYSYSPMKCSGNRPPLQRENSVTHREVKCQK PLAGIYRREERKRNAGNVRSAKSEBQIKDARKGPLVPPFNQ KSBAAEPPKTPPSQDSTHAATROALKEPIKQKQAPREKAQK TQNRRLTDFYPVRRSSRXSKARLQSEERKIDELIESGKEBGM KIDLIDGKRGVIAIRQPSREGDFVVEYHGLIBITDARKREALY AQDPSTGCMYYPQLSKTYCVDATRETNKLGRLINHSKQGNCO TKLHDIDGVPHLILIASRDIAAGRELLYDYGDRSKASIAHPWL KH IFGMSKLRMVLLSDSGSADFRHFVNLSPTTITVVLLLSACFVT SSLGGTDKELRLVDGENKCSGRVEVKVQBEWGTVCNNGWSMBV SVICNQLGCPATAKAPGWANSAGSGRIWMDHVSCHNESALND CKHDGNGKHSNCTHOQDAGVTCSDGSNLEMLTRGGNMCSGRIE IKFQGRNGTVCDNFNIDHASVICRQLECSAVSPSGSNPFGE SGPIWFDLICNGNESALWNCRHQGWGKHNCDAEDAGVICSKG ADLSLRLVDGVTRCSGRLEVRFGGWTICDDGWSYDAVACK QLGCPATAVTAIGRVNASKGFHILWDSVSCQGHFAVWQCKEHE WGRHYCNHEDAGVTCSDGSLRLRLRGGSRCAGTVEVEIQRL LGRVCDRGWLREADVCRQLGCGSALKTSYQVYSKIQATNTWL
6208	2924	1471	VMABAAATPGTATTSGAGAAAATAAASPTPIPTVTAPSLGAG GGGGGSDGSGGGWTKQVTCRYPMHGVCKEBCNCRYSHDLSDSPY SVVCKYFQRGYCIYDRCRYEHSKPLKQDEATATELTTSKSLAA SSLSLSSIVGPLVEMFTGEABSRNSNFATVGAGSEWVNAIEFVP GQPYCORTAPSCTEAPLQGSVTKESSEKQTAVETKQLCPYAA VGECRYGENCVYLHGDSQDMOGLQVLHPMDAAQRSQHIKSCIEA HEKDMELSFVQSRKDMVCGICNEVVYKANKPSERRFGILSNCN HTYCLCKIRKWSAKQFESKIIKSCPECRITSNFVIPSEYVWE KEEKQRLILKYKRAMSNKACRYFDEGRGSCPPGGNCFYKHAYPD GRREBPQRQKVGTSRYRAQRNHPWELIERRENSNPFNDDEE VVTFLGEMLLMLLAAGGDDDELTDSEDEWDLPHDELEDYDLDL TMABAAATPGTATTSGAGAAAATAAASPTPIPTVTAPSLGAG GGGGGSDGSGGGWTKQVTCRYPMHGVCKEBCNCRYSHDLSDSPY SVVCKYFQRGYCIYDRCRYEHSKPLKQDEATATELTTSKSLAA SSLSLSSIVGPLVEMFTGEABSRNSNFATVGAGSEWVNAIEFVP GQPYCORTAPSCTEAPLQGSVTKESSEKQTAVETKQLCPYAA VGECRYGENCVYLHGDSQDMOGLQVLHPMDAAQRSQHIKSCIEA HEKDMELSFVQSRKDMVCGICNEVVYKANKPSERRFGILSNCN HTYCLCKIRKWSAKQFESKIIKSCPECRITSNFVIPSEYVWE KEEKQRLILKYKRAMSNKACRYFDEGRGSCPPGGNCFYKHAYPD GRREBPQRQKVGTSRYRAQRNHPWELIERRENSNPFNDDEE VVTFLGEMLLMLLAAGGDDDELTDSEDEWDLPHDELEDYDLDL ERLCFFPMQSKIYSYSPMKCSGNRPPLQRENSVTHREVKCQK PLAGIYRREERKRNAGNVRSAKSEBQIKDARKGPLVPPFNQ KSBAAEPPKTPPSQDSTHAATROALKEPIKQKQAPREKAQK TQNRRLTDFYPVRRSSRXSKARLQSEERKIDELIESGKEBGM KIDLIDGKRGVIAIRQPSREGDFVVEYHGLIBITDARKREALY AQDPSTGCMYYPQLSKTYCVDATRETNKLGRLINHSKQGNCO TKLHDIDGVPHLILIASRDIAAGRELLYDYGDRSKASIAHPWL KH IFGMSKLRMVLLSDSGSADFRHFVNLSPTTITVVLLLSACFVT SSLGGTDKELRLVDGENKCSGRVEVKVQBEWGTVCNNGWSMBV SVICNQLGCPATAKAPGWANSAGSGRIWMDHVSCHNESALND CKHDGNGKHSNCTHOQDAGVTCSDGSNLEMLTRGGNMCSGRIE IKFQGRNGTVCDNFNIDHASVICRQLECSAVSPSGSNPFGE SGPIWFDLICNGNESALWNCRHQGWGKHNCDAEDAGVICSKG ADLSLRLVDGVTRCSGRLEVRFGGWTICDDGWSYDAVACK QLGCPATAVTAIGRVNASKGFHILWDSVSCQGHFAVWQCKEHE WGRHYCNHEDAGVTCSDGSLRLRLRGGSRCAGTVEVEIQRL LGRVCDRGWLREADVCRQLGCGSALKTSYQVYSKIQATNTWL
6209	1758	829	ERLCFFPMQSKIYSYSPMKCSGNRPPLQRENSVTHREVKCQK PLAGIYRREERKRNAGNVRSAKSEBQIKDARKGPLVPPFNQ KSBAAEPPKTPPSQDSTHAATROALKEPIKQKQAPREKAQK TQNRRLTDFYPVRRSSRXSKARLQSEERKIDELIESGKEBGM KIDLIDGKRGVIAIRQPSREGDFVVEYHGLIBITDARKREALY AQDPSTGCMYYPQLSKTYCVDATRETNKLGRLINHSKQGNCO TKLHDIDGVPHLILIASRDIAAGRELLYDYGDRSKASIAHPWL KH IFGMSKLRMVLLSDSGSADFRHFVNLSPTTITVVLLLSACFVT SSLGGTDKELRLVDGENKCSGRVEVKVQBEWGTVCNNGWSMBV SVICNQLGCPATAKAPGWANSAGSGRIWMDHVSCHNESALND CKHDGNGKHSNCTHOQDAGVTCSDGSNLEMLTRGGNMCSGRIE IKFQGRNGTVCDNFNIDHASVICRQLECSAVSPSGSNPFGE SGPIWFDLICNGNESALWNCRHQGWGKHNCDAEDAGVICSKG ADLSLRLVDGVTRCSGRLEVRFGGWTICDDGWSYDAVACK QLGCPATAVTAIGRVNASKGFHILWDSVSCQGHFAVWQCKEHE WGRHYCNHEDAGVTCSDGSLRLRLRGGSRCAGTVEVEIQRL LGRVCDRGWLREADVCRQLGCGSALKTSYQVYSKIQATNTWL
6210	3761	387	IFGMSKLRMVLLSDSGSADFRHFVNLSPTTITVVLLLSACFVT SSLGGTDKELRLVDGENKCSGRVEVKVQBEWGTVCNNGWSMBV SVICNQLGCPATAKAPGWANSAGSGRIWMDHVSCHNESALND CKHDGNGKHSNCTHOQDAGVTCSDGSNLEMLTRGGNMCSGRIE IKFQGRNGTVCDNFNIDHASVICRQLECSAVSPSGSNPFGE SGPIWFDLICNGNESALWNCRHQGWGKHNCDAEDAGVICSKG ADLSLRLVDGVTRCSGRLEVRFGGWTICDDGWSYDAVACK QLGCPATAVTAIGRVNASKGFHILWDSVSCQGHFAVWQCKEHE WGRHYCNHEDAGVTCSDGSLRLRLRGGSRCAGTVEVEIQRL LGRVCDRGWLREADVCRQLGCGSALKTSYQVYSKIQATNTWL

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
			<p>FLSSCNGNFTSLWDCNMQWGGGLTCDHYREAKITCSAHREPRLV</p> <p>GGDIPCSGRVEVEHGDWGSICDSDPSLEAASVLCRELQCGTVV</p> <p>SILGGAHFGEGNGQIWABEFQCEGHESHLSLCPVAPRPEGTCSH</p> <p>SRDVGVCSTRTIRLVNGKTPCEGRVELKTLGANGSLCNSHWD</p> <p>IEDAHVLCQQLKCGVALSTPGGARFGKNGQIWRHMFHCTGTETQ</p> <p>HMGDGCVTALGASLCPSEQVAVICSGNQSQTLSSCNSSSLGPT</p> <p>RPTIPERSAVACIESGQLRLVNGGRCAGRVETIHEGSGWTICD</p> <p>DSNDLSDAHVVCRQLGCGEALNATGSAHFGEGTGPINLDEMKN</p> <p>GKESRIWQCHSENGGQONCRHKEDAGVICSEPM8LRITSEASRE</p> <p>ACAGRLVFPYNGANGTVGKSSMSETTVGVVCRQLGCADEKINP</p> <p>ASLDKAMSIPMWVDNVQCPKGPDTLWQCPSSPWEKRLASPSSET</p> <p>WITCDNKIRLQEGPTSCSGRVEIWHGGSWGTVCDDSWDLDDAQV</p> <p>VQQLGCGPALKAFFKBAFPGQGTGPINLWVCKCKNESSLWDCP</p> <p>ARRWGHSECGHKEDAVNCTDISVQKTPQKATTGRSSRQSSPIA</p> <p>VGILGVLLAI FVALFPLTKRRRQRQLAVSSRGENLVHQIQYR</p> <p>EMNSCLNADDLDMNSGGHSEPH</p>
6211	3761	387	<p>IFGMSKLRMLLEDGSGSADFRHFVNLSPTTITVLLLSACFVT</p> <p>SSLGGTDXELRLVDGKNKCSGRVEVQVQENGTVQNGWSMEAV</p> <p>SVICNQLGCPATKAPCMANSSAGSGRIWMDIVSCRNESALWD</p> <p>CKHDGCKEHSNCTHQDAGVTCSDGQNLNRLTRGGMCSGRIB</p> <p>IKPQGRKOTVCDNPNIDHASVICRQLGCGSAVSPSGSSNFGEG</p> <p>SOPINFDLLICNENESALNCKKHQGNCKKNCDAEDAGVICSKG</p> <p>ADLSRLRLVDGVTSCSRLVRFQGEWGTICDDGNDSDYDAVACK</p> <p>QIGCPTAVTALIGAVNASKGFHGIWLDVSCQGHEDPAVWQCEHHE</p> <p>WGXHYCNHNRDAGVTCSDGSDLERLRGGGSRCACTVEVEIQRL</p> <p>LGKVCDRGWLKEADVVCRLGCGSALKTSYQVYSKIQATNTWL</p> <p>FLSSCNGNFTSLWDCNMQWGGGLTCDHYREAKITCSAHREPRLV</p> <p>GGDIPCSGRVEVEHGDWGSICDSDPSLEAASVLCRELQCGTVV</p> <p>SILGGAHFGEGNGQIWABEFQCEGHESHLSLCPVAPRPEGTCSH</p> <p>SRDVGVCSTRTIRLVNGKTPCEGRVELKTLGANGSLCNSHWD</p> <p>IEDAHVLCQQLKCGVALSTPGGARFGKNGQIWRHMFHCTGTETQ</p> <p>HMGDGCVTALGASLCPSEQVAVICSGNQSQTLSSCNSSSLGPT</p> <p>RPTIPERSAVACIESGQLRLVNGGRCAGRVETIHEGSGWTICD</p> <p>DSNDLSDAHVVCRQLGCGEALNATGSAHFGEGTGPINLDEMKN</p> <p>GKESRIWQCHSENGGQONCRHKEDAGVICSEPM8LRITSEASRE</p> <p>ACAGRLVFPYNGANGTVGKSSMSETTVGVVCRQLGCADEKINP</p> <p>ASLDKAMSIPMWVDNVQCPKGPDTLWQCPSSPWEKRLASPSSET</p> <p>WITCDNKIRLQEGPTSCSGRVEIWHGGSWGTVCDDSWDLDDAQV</p> <p>VQQLGCGPALKAFFKBAFPGQGTGPINLWVCKCKNESSLWDCP</p> <p>ARRWGHSECGHKEDAVNCTDISVQKTPQKATTGRSSRQSSPIA</p> <p>VGILGVLLAI FVALFPLTKRRRQRQLAVSSRGENLVHQIQYR</p> <p>EMNSCLNADDLDMNSGGHSEPH</p>
6212	1	1134	<p>LKWEIRPGGAVNGTGRGAGTGAPRSCCQTNPGPPSSLRRAFR</p> <p>RELFPFACHEIGLGAEGAGGPPAPAPARESRSRAMEERASSPGL</p> <p>GCSKPHLEKLTIGITRILESSPGVTEVTIIEKPPAERHMLSSWE</p> <p>QNNCVMPEDEVKNFYLMINGFMTWSVKLDEHIIPLGSMAINS</p> <p>SKLTQLTQSSMYSLNAPTADLEDDTHRASDDQPEKPHFDSRS</p> <p>VIPRLDSCNGSGKVLVYKSGKPALAEDTINFLDRALYHPLT</p> <p>DTPTAYYRLLIITHLGLPQWQYAFSTSYGISPAKQKQVSMYXPITY</p> <p>NTNLLTETDSPVNLKDPKVPKSKNKIIVPKKRGPVQPAGGQK</p> <p>GPSGPGPSTSTSSKSSSGSGNPTK</p>
6213	1	1134	<p>LKWEIRPGGAVNGTGRGAGTGAPRSCCQTNPGPPSSLRRAFR</p> <p>RELFPFACHEIGLGAEGAGGPPAPAPARESRSRAMEERASSPGL</p> <p>GCSKPHLEKLTIGITRILESSPGVTEVTIIEKPPAERHMLSSWE</p> <p>QNNCVMPEDEVKNFYLMINGFMTWSVKLDEHIIPLGSMAINS</p> <p>SKLTQLTQSSMYSLNAPTADLEDDTHRASDDQPEKPHFDSRS</p>

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			VIPRLDSCKSGKVCIVYKSGKRALAEDTHWPLDRALYNHPLTDTPTATYRLLITHGLPQWQYAFSTSYGISTPQAKQKRVSNYPITYNTWLLTETSDSPVNLKLPSPKVFSEKNIKIVIPKKKGPVQPGGQKGPSGPGSPSTSSSTSKSSGSGEPTRK
6214	2	460	HRLAPSAIREAARIGIPARWQSRRAAPYFVGPRIGWSFVGMVVLGTSARNTLFFPLSMAASSRAQVLALYRAMLRBSRPSAYNYRTYAVERRIDAFRENKBNKDPVBIQTLVNTAKRDLGVIRQVHIGQLYSTDKLIENKMPET
6215	2	1849	FVAGGPRGSGSAABTMTPTIRVTPLAGAGQDVGESCLVSLAKNVMLDCGHEMGFNDDRFPDFSYITQNGRITDFLDCVILSHPHLDHCGALPYFSENVGYGPIYMTHTPTQAI C PILLDYRKIAVDKRGANFPTSQMIKDCCKVVAVHLHQTVQVDELEIKAYVAGHVLGAAMPQIKVGSSEVVYTGDMTPDRHLGAARWIDKCRPNLLITESTYATTIRDSKRCREDFLKKVHETVERGGKVLIPFALCRAQELCILETFWERNILKPIYFSTGLTERKANHYKLFIPWTHQIRKTFVQRNMPFKHIKAFDRAPADNPGFMVVPATPGMLHAGQSLOIPKRWAGNERKMWIMPGYCVQGTGVHKL LSGQRLEMEGRQVLEVKMQVEYMSFAHADANGIMQLVGQARPKSVLLVHGEAKEMFLKQKIBDLRVNCTMANGSTVTLPTSPSPVPGISLGLLKREMAQGLLPEAKPRILLHGTLDKDSNPLVSSQALKHLAKRQLRFTCRVHLHDTREKQETALRVYSHLKSVLKDHCVQHLPDGSVTVESVLQANAPSEDPGTKVLLVSWTYQDERLGSPLTSLKKGGLPQAPS
6216	11	393	QITRPEPRNSALRQSRSMVAVGVSSVSRLLQRSRPQLGRPMSSGANGREGSARNWKTLTFFVLEPGVAVSMNVTLKSHRGEHERPEFIAYPHLRIRTKPPFWGQGHRTLFANPHVNLPTGYEDE
6217	9	1178	TRVGRGEGLENEVIPPGRPPQPSGRRRRRREGEGHDPKEPEQLRKLPIGGLSPETTDSSLREHFERKNGTLDTCVVMRDPTKRSRGPGFVTYS CVBEVDAAACARPHKVDGRVVEPKRAVSREDSVKPGAHLTVKKIPVGGIKEDTEHYNLRDYFERYOKLETIIVMEDRQSGKRGFAFVTFDDHDTVDKIVVQKYHTINGHNCVEKALSRQEMQSAGSQRGSGGSGFPMGRGGNFGGGGNGFGRGNFGGRGGYGGGGGGGSGGSGYGGGNGFGGNGGNGYGGGPGYSSRGYGGGPGYGFQGGGYGGGGYDGYNEGGNFGGQNYGCCNNDYDGNYSQQQSNYGPMEGGSFGGLSSQSPYCGGYGSGGSGGYGSRFP
6218	1305	906	SCERRGFIMADDLKEFLYKCLPSVEGLHATVSDRGVPEVIVKANDNAPEHALRPGFLSTFALATDQSKLGLSENKSIICYNTTQVVPNRLPLVVSFLAQSANTGLIVSLKELAPLFEELRQVVEVS
6219	2	890	AGPGEAGAGATRCAGARAEMAAGGEDCESAPAPRADRPHQPFLLIGVSGGTASGKSTVCEKIMELLQONEVQRQRKVVILSQDRFTKVLTAQKAKALRGQYNFDHPDAFONDLMHRTLKNIVEGKTVEVPTYDFVTHSRLPETTUVVPADVLPFGILVFTSQHTRDMFHLRLPVDTSDFVLSRNVLRDVRGRDLQILLTQYITTFVPAFEPCLPTKKYADVII PRGVDMVAINLIVQHIQDILAGDICKWHRGGSNGRSYKRTFSEPGDHGMLTSGKESHLSSSRPH
6220	227	764	EQNISLEMSCTIKALADAKALVERLRDHDAAESLI EQTTALNKRVEAMKQYQKRIQKLEVARHRPRSTLVWG IQQENRQIRELQQENKELRTSLREHQSALELINSKYRQMPRLMASKKDDPGIIMKLEQHSKIDWVRNKSEGFPLDASRHILEAPQHGLERRHLEANOHVH
6221	98	916	ENIWDILNPFVSDGLELRPKYNGILHCLTTIWKLDGLRGLYOGVTPHNGAGLSWGLYFVPYNAIKSYKTEGRAERLEATBYLVSAAEAGANTILCTNPLWVTKRIMLQYDAVNSPHRQYKGMFDLTKIYK YEGVRGLYKGFVPLPGTSHGALQPMAYELLKLYNQHINRLPEAQLSTVBYISVAALS KIPAVAATPYQVVRARLQDQHMFYSGVIDVITKTRKEGSGGFTKGIAPNLI RVT PACCI TPVYVENVSIFLLDLREKRRK

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6222	2	2116	MARELRALLLAGRELRLPLLEAPALAAVPGGKPLICPRRTTAQLG PRRNPWLSLQAGRLFSTOTARDKEEPLESIISSTESVQGSTSEH EPQARTKLLDIVARSLYSEKGVFIRRLISWASDALEKLRLHLV SDGQALPEMEIHLQTNAREGTITITODTIGMTQRELVSNLGTIA RSGSKAPIDALQNAEASSKIIGQPGVGFYSAPWADRVVEVYSR SAAPGSLGYQWLDGSGGVFEIABASGVRTGTCKIYIHLKSDCKRP SSEARVRDVTKYSEFVSFPLYLNGREMTLQATWMDPQDVERE WQREFFRYVAQAKDKPRYTLHYKTAPLIRSIPTVPMKPSM PDVSRRLGSSVALYSRKVLITQKATDILPWLRFIRGVVDSEDI PLNLSRELLOESALIRKLRLDVLQRLIKFFIDQSKKDAEKYAKF FEDYGLPMREGIVTATEQEVKEDIAKLLRYESSALPSGQLTSL EYASRMAGTNNIYYLCAPNRLAHSPTTEAMKKKDTVELFCF EQPDELTLHLREDFDKKLIISVETDIVVDHYKEKFPDRSPAAR CLSKKTERLMAWMRNVLGSRVTNVKVTLLDTHPAMVTVLENG AARHFLRMQQLARTQERRAQLLOPTLBNPRHALIKKLANQLRAS EPGLAQLLDQIYENAMIAAGLVDDPRAMVGRINELLVKAERH
6223	3	715	DANARTNAGMVDFOREQVKSFLNNMEVECNVHCYHKKDPDGCY RLVDYLEGIRNPNDEARVLFKFNCHENQSDSCYKLGAYVYVTK GGLTQDLFAARCFIMACEKPKKSTAAAEVGLAHGQVNEO QQPDLGKARDYVTRACDGGYTSSCFNLAMPLQGAQPGPKMDL ACKYSMKACDLGHWACANASRMVTKLGDDVDKVEAKAEVLKRA QQVHKQKQKGVQPLTFG
6224	1	133	LRTISSMANGPILLTLAHCTGSAQSVLTQPPSVSGARIPIHK
6225	3259	938	LLSCERLAI CKLPFSVESRKTVMGPQARRQAFAPAGDVTVDPT QKEWRLLSPAQRALYREVLTENTSHLVSLGILHSKPELIRLEQ GEVPMGEERRRRPGFCAGIYAEHVLREPMLGLAHQBOQQLQPSD QSPQSDTAEGQKEKSKPMAPSSPPLRHAVSSRRRNSVVEIES SQGQRENPTSIDRVLKQIEHSRWGAPKCAERGGQDFSRMHVI TH KKAHSRQKLPTCRECHQGPRDEBAILLHQHTHTGKESYVCSVCG RQPSLKANILWHQTHSGEKPFCKVCGRGTTSSKYLTVHERTH TGBK*YECQECGERFNDKSSYNKHLAHSGEKPFVCKEGRGTY NKSYPVVKRINHSGEKPYRQECGRGFSNKEHLITHQTHSGEK PFACRQCKQSPSVGSLLRHQRTHSGEKPFVCKDCERSPSQKST LVYHQRTHSGEKPFVCECGQGTQKSTLVKHQITHSBEK*PVC KDCGRPIQKSTPTLHQRTHSGEKPFVCECGRRPRDKSSYNKH LRAHLGKERPFCDCEGPTLKEPNTLTHQTHSGEKPFMCKQCE KPSLKANILWHQTHSGERPFNCKDCGRPILKSTLLPHQKTH SGEKPFICSECGQGFINKSNLVRHQLAHSKQPFVCKEGRGPN WKGNLLTHQTHSGEKPFVNCVCGQGSWERSLTRHWRINHSKE KPFVCECGRGTYSKSLTVHERIHTGERPYRQECGRKFSNKS YYSKHLRRLREKRFCTGSVGEASS
6226	29	266	TKVSELLGGSQRLPFLPLWRRICRCGLGPRVSPMAGPRVEVDGS IMEGGGQSLRVSTGLSNLLSLPWAQRIRAGSYA
6227	2581	890	MSASSLLEQRPKGQGNKVQNGSVHQKDGLNDDFEPYLSPOARP NNAYTAMSDSYLPSYSPSIGFSYSLGEAMSTGGDTAMPYLT YQQLSNGEPHFLPDAMFGQPGALOSTPFLGQHGFNPFPSPGIDPS AWGNBSQQQSTQSSGYSENAYAPSSLGAMIDGQSAFANETL NKAPCMNTIDQMAALKLGSTEVASNVPRVWGSVAVGSGSITBNI VASNSLPPATIAPIKPAWADIASKPAKQPKLETNGIAGSSL PPPPIKENMDIGTWDNKGPAKAPSOALVQNIQPTQGSFPQV QQAANSPPVAQASVGQQTQPLPPPPQPAQLSVQQAQAPTRW APRNRGSGFGHNGVDGNGVGQSQAGSGSTPSEPHVLEKLSIN NYPNPDFDWNLKGRVFIKSYSEDDIHSIKYNIWCSTBERGK RLDAAYRSMRGRGPVYLLPSVNGSGHPCSVARMKSAVDYNTCAG VNSQDKWGRFDVWEIFVEDVPNSQLHILENNENKPVVNSRD TQEVPLEKARQVLKI IASYKHHTTSIPDDFSHYEKRO

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6228	47	1978	GRRCRRRGAVMELAQEARRLGCNAVEEMGVFAARAPESTLERL CLGQGADIWAYTLQEVHSQRTVKCIRGNLLWYGHQDSPOVRRKL ELEAAVTRLRASIQLDQSLKMERDTEAQDTANQBARQHTQDT QRRALLRAQACAMERRCQHTLDPQORLONQLERLQDMERKAKV DVTFGSLTSAALGLEBPVILRDVITACTLEAQFLQHLPLLPQAKRG SLPTPEDDHPGTSYQQLSSVETLLTNEPPGHVLAALHLLAAR EABIRSLCSGDLGDTISRPQAPDQSDSSQTLPSMVHLIQEGW RTVGVLVSQRSTLLKERVLTQRLQGLVEEVEREVLGSSEROVL ILGLRCCLTWELKALHDOSQELQDAAGHRQLLLRLQAKQORI LHWROLVBETQEVRLIKGNSAKTELCRSPGEVLALVQRKV PTFRAVAPQSRRLRLCLKEEVVRLPHILLGTLLEHPPGELKPLP TVLPSTHQLHPASPRGSSFTALSHKGLPPCKASELLPAAASL RQDLILLQDORSLWCWDLLEMKTSILPGLPTQELLQIQASQEKQ QENLQALKRLKLLKQALERIPELQGIQVGDWNBQPGQAALSB ELCQGLSLPQWRLRWVQAGGALQKLS
6229	1571	560	GPSLIGTRGTPNPARTLQIFPLIGRRITGRMAAVDDLQPEEFG KAATSLTANPDATVNIEDPGETPKHQPSPRGSGREDDRLG NDDSDKTELLAGQKSSPFWTFYQTFDVTYQVFDRIKGS LPIPGKFPVRLYIRSNPDLYGPPWICATLVPAIAIGSLNFLI HLGKTYHYVPEPRKVSIAATIIYAXAWLVPLALNGFIMNRNSK VMIVSVSPLSIVCVYGYSLPIYPTALLWIIPIKAVRWILVMI ALGISGSLAMTFWPAVREDNRVALATTITVLLHMLLSVGCL ATFFDAPENDHLETTIATPNQTVAAKSS
6230	1723	600	SKMSGRSGKKMSKLSRSARAGVTPVUGRLMRYLKKGTFKYRIS VGAPVYMAAVIEYLAELIETAGNAARDNKIARIPRHILLAVA NDERLNLQKGVLTASGGVLPRIHPPELLAKRGTRGKSETILSP PPEERGRKATSGKGGKSKAKRPTSKESKPKDSDEKGTNSST SEDGPGDGFITLSSKSLVLQQLSLTQSDISHIGSMRVEGIVHP TTABIDLKEDIGKALEKAGGKEFLTVKRLRSQGPLEVAEAAV SQSSGLAAKFVICHIPQWGSDDKCEOLEETIKNCLSAABDKKL KSVAFPPFPSPGRNCFPKQTAQVTLKASAHFDDSSASSLRNVY FLLPDSKSIIGIYVQEMAKLDAR
6231	149	870	LYFSSTWDSLRNVLVVSPGFLLLFTAYGGLQSLQSSLYSEEG LGVTALSTLYGGMLLSSWFLPPLLIERLGCKGTIILSMCGYVAP SVGNFFASWYTLIPTSLILGLGAAPLWSAQCTYLTITGTHARK AGKRGEDMVNQYFPIFPLIFQSSGVWGHLLSSLVFGQTPSQSTL PEBQLTSCGASDCIMATTTTNSQRPSSQLVTTLLGIYTGSGVL AVLMLAFLQPIRDVQRESE
6232	3679	1476	FVAGTYMAGFWGTAPLVAAGRGRENPPQQLNLAAALRTLEKHL YYSRQCLMVSRLGSGVGYDPNERTFDKILVANRGETIACHVIRTC KEMGIKTVAIHSVDVASSVHVQADBAVCVPAPTSSKSYLMDA IMBAIKKTRAQAVHPGYGFLSENKEFARCLAAEDVVPFIGPDTHA IQANGDKIESKLLAKKAEVNTIPGPDGVVKDAEAVRIAREIGY PVMIKASAGGGGKGMRIAWDDEBTRDGPRLSSQEAASSFGDDRL LIRKPIDNPHIRIQVLGDRHGNALWLERECIQRNRQKVVEE APSIFLDAETRRAMGEQAVALARAVKYSSAGTVEFLVDSKKNFY FLEMNTRLQVHHPVTECTIGLDLVQEMIRVARGYPLRHQADIR INGWAVECRVYARDPYKSGFLPSIGRLSQYQEPLELPGVRVDSG IQPGSDISIIYDPMISKLTITYGSDRTBALKRMADALDNYVIRGV TNIALLREVIINSRFVGGDISTKFLSDVYFDGFKGHMLTESEK NQLLAIASLFLVAFQIRAQHFQENSRMPVIKPDIANWELSVKLIH DRVETVVASNNGSVPSVEVDGSKLVNTSTWNLASPLLSVSDGT QRTVQCLSRBAGGMSIQFLGTVYKVNILTRLAELNKFMLEKV TEDTSSVLSRPMGUVVAVSVKPGDAVABGQRI CVIRAMKQNS MTAGKTGTVKSVMHCQAGDVTGEGDLLVELE
6233	1	2654	HSTRENINAGNFPNPPSEGLVRSITGPGGSPAKHINVAQCVSPEGP

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			LACSRITYFFGATHVPYILGGDSKLPKKEQIRLLSQIYAIVLEAV LAGTACTACTSSLTAKGVARQTLGSGLDSPFLIPFKAALRESKM TFHDAVANNQGRIVPLDSEDSLSFVKTAQAVYDIPDLLGGNGC LGSVVPSESFLTSQILVKEKDGTVTTETSSVVLTAANPFCMSWL VEDNEVKLSKCTQAVRGDESFLGTLYLTGGEGAYLYSSNLQSWP REGNVHFPSSGLLPEHCHRGSIILSKDEHNSISFYDGDSTSTVA ALLIDPKSSLLPPLPVHPFGSSNPLMIALFPKSKYQAFYSKV SLWRQDDNSGILSKVIOEDGLSVBQKRLSSAQLFSALSQAPAG EKRSSLLLSAKLPFLDNLQHPAIISSISQEPVMRTHLPVLLQO AEINTTHRIESDKVILSIVTGLPGCHASLCAFLVTLHKRCGRW MVEYQINDSSCTHAHAFQRYLSSALAAQNNESARQSAITRKET RLLVVLQGYTDVTDVQALQTHPDSNVKASFTIGAITACVEPNIS CYMEHRFLFPKCLDQCSQGLVSNVVFSTHTTQRHPLLVQLQSL IRANPAAAFILAEINGIVTNEDEILILSENPSSEPMELRSRYL MYPGWYEGKLKAGSVYPLMVQICVMFGRPLEKTRFVAKCQIQS SIKPSPPSGNIYHILGKVKPDSSEBTMEVCTNTLANSLSIMPVL EGPTPPPDSESVQDSSGQCECYLVFICCSLKEDSIKDLRQSA KQKPKALKETRCMLTQGEIRSHVVKHLEPLPAGYFTNGTQPV NFFGDETDHPLMDQFMNDYVERANRRIKYNQLEQQEYEDLY ELKP
6234	1731	404	PRVREDMDHKSPGNEGSLVYAGIKSIVKSSILGVSSRHNSGL DKQSDIQNLNBERILALQLCGWIKRGTDVDVGPFLNSLVQEGEM ERAAAVALEFNLDIRRAIQILNEGASSHGGDLNANVMALSGYT DEKNSLWREMCSTLRLQNNPYLCVMFAFLTSETGSYDGLVYEN KVAVRDRVAPACKFLSDTQLNRYIEKLTNEMKPAENLEGIILLTG LTEDGVLDLMSYVORTGDVQTASTYOMTQGSPLDVLKDERVQYWI ENYRNLLDANRFWHKRAEFDIHRSKLDPSSKPLAQVFSVSNFCG KSISYSCSAVPHQGRGPSQYGVGGSPTKSKVTSFCPCGRKPLPRC ALCLINMGTPVESCPGCTKSDKVDLSKDKKLAQFNNWFTWCHN CRHGCHAGHMLSWFRDHBACPVSACTCECMQLDTTGNLVPASTV QP
6235	1	571	EKRDRHRLPSNPRAALKVPGRGORVGTTPELAGGINATRNPPQ DYESDODSTEVLDTLEYARRHQWNRVFGHSSGPMVVKYSVATQ IVMGGVTCWAGFLPKVKGKLAATAVCGOPLLLQIASBSGYVGI DWRKVEKDVNKAQRQIKGRANKAAPEINNLIERRATBPFIQNTVI SSGFVGGFLLGLAS
6236	1	703	WDQNKGAAGSGLTLPFLPSARFSAAGPTQSRPTMSMMEHLY NLKFAAJKLSRSARKCDKRRKAEKAKIKKAIQKGMMEVARIHAE NALRQKQAVNFLRMSARVDAVAARVQAVTAVGKVTESMAGVVK SMDATLKTMLLEKISALMDKPEHQFETLVDVQTQOMEDTMSSTTT LTTPOQVDMILLQEMADBAGLDLNMELPQGGTGSVGTSVASABQ DELSORLARIHQV
6237	312	720	PTAMAEGLAAGGVMDVNTALQEVLCALIHGDLARGIREAKA LDRRQAHLCLVLAASNDPMPYVRLVEALCAHQINLIKVDNKKL GEWVGLCKIDREGKPRKVVGCSCVVVKDYGKESQAKDVIERYFK CEK
6238	2	4666	HRVPTQESVWEINVIIEKNPIVFVADMTKNDAPALVITQCEI CYGNLENSTMTAAIEDLQVRACFLPVKREKIKITTVLQPCDLF YQTTQKGTDPQVIDMSVKSLLTKVS?VIINTMITITSALYTTKE TIPEETASSTAELEKEDTKTLKMWFLRESNTEKLAFTTBLVP KGEIMKNLDSIPIVLEAGIGHRTVPMLLAKSRFSGESENWSSL INLHCQLKLEVHYNEMFGVNEPLLEPLEIDOTEDFRPWNLGIX MKKEAKMAIVSDPKEENYKVPYKTVISFHSKQDLNITLSKCS LVMLKMLVKAFTAAATCSADPVKDLAPFKILNSGLTISVSPS DSFVSLNIPMAKSYVLENGESLSMOYIRTKDNHFNAMTSLSSK LFPILLTFVNHSTADKIPLTKVGRRLYTVRHRSESGVERSTVCQI

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			<p>DTVEGSKKVTIRSFQIRNHFVPLSVYEGDTLLGTASPENEFW IPLGSYRSFIFLKPEDENYQCEGIDPEBIIKNDGALLKKCRS KNFSKESFLINIVPEKDNLTSLSVYSEDGMDLPYIMHLWPPILL RNLLPYKIATYIECTIENSVFILSEGHSAQICTAQLGKARLHLKL LDYLNHWKSEYHIKPEQDDISFVSPTCVTERMTDLDIAVEDMT YNTGQTVVAFHSPYMMVNKTCRMLQYKADGIRKREPPHYKKEFVL PSFQPNHFPNNKQVLMVTDSELNQQFSJDTVGSSEKAVKCKGLK MDYQVGVITDLSSEPHITRIVTPTPTMIKNKSKYHSVABEGND EHLSDLEQCIFFWPFYASSLLIQVERSDPPKRIYNNKQENC ILLRLNRLGGIIAEVNLAEHSTVITFLDYHDGAATPLLINHTK NELVQYNQSSLSBIRDSLPFGKAVPYTWADPVGSRRLEKRCRKS HGEVTQXDDMBPIDLCKRTIYLVSFPEGLQRIILFTEDPRVPK VTYSEKARLABQIAVALQDVGISLVNNYTKQEVAYIGITSSD VVWETPKKKKARWPKMSVKHTELEKREPEYTESPSEDKVIQL DTHVPVRLTPTGEMKILQPHVIALRRNYLPALKVEYNTSAHQ SPRIQIYRIQIQNIRGAVFPFVFPVKPKSVTMSAPKPFDT VSIWMSAGBSQISRIKYFKVLIQEMDLRLDLGPTXALTDLMTB AEVTENTVELPHKDIEAFKEEYKTASLVQSQVSLYEFHISP IKLHLSVLSSEGRBAKDSKQNGGLIPVBSLMLLKSIGATLTD VQDVVFKLAFPKINQPHITSDIQSEVIREYSKQAIKQMYVLIL GLDVLGNPGLIREFSEGVAFPEYEPYQCAIQGPBEPVEGHALG LKALVGGAVGGLACPAASKITCAMAKGVAANTMDSDYQKXREAM NKQPAFGREGITRGKGLVSGFVSGITGIVTPIKGAQKGGAG FFKGVGKGLVGAVARPTGGIILMASSTFGGIERATETSEVSLR PPRPFNEDGVIRPYRLRDGTGQMLQKIQFYREWIMTHSSSSDD DDDDDDDDSDLNH</p>
6239	2108	634	<p>KPMAGKGSSEGRPLLLGLLVAATVHLVTCFYTKVESFNLOA THDLLVHMQDLRQYCHLEPPGVVPTFLGPFVVIAPVSSPAVYVL SLLEMSKPYEQILVRGVLGLGVIPLGLWTLQKVRHFGAMVATM FCWVTAMQPHLMFYCTRILPHVLALPVVLLALAAHLREHARFI WLSAPATIVFVRLCLPLGLLLLLALGNKRVSVVRALRHAVPAG ILCLGLTVAVDSYFWRQLTNPEGKVLWYNTVLNKSNNWTSPLL WYFYSALPRGLGCSLLFTPLGLVDRRTHPTVLALGPKALYSLL PHKELRFTIYAFPLNITAARCCSVLLNNYKSNLYKAGSLVI GHLVVNAAYSATALYVSHFNYPGGVAMQELHQLVFPQTDVLLHI DVAAAQTVGSRLQVNSANRYDKREDVQPGTGLAYTHILMEAA PGLLALYRDTHRVLASVVGTTGVSLNLTQLPPFNVLQTKLVLL ERLPPPS</p>
6240	2202	1176	<p>HREGDSLKEPTSIAESSRHPSYSEFSLKESFRSPTEGKSFHV DPLSSGSRSSSLKSAQGTGFZLGQLQSIRSEGTSTSYKSLANO TRNGSLSYDSILTPSDSPDFESVQAGPEPPLGYTSPFLSARL AQQRBAERHRLVPTGPTHRSPSPVRYDNLSEHIVASLQEREKL LRQSPPLPGRKEEPGLGDSGIQSTPGSGHAPRTSSSSDSEKSP LGHTPLGRPAVPRFGKPDGLRGRGVSPGPGPTAPYLGSRMSYS SQHAQPGVSETEVALQPLLTPDEBVQLRTTYSKNGQPESLGS ASPGPGQPLSSPTRGGVKKVSGVGGTTYEISV</p>
6241	3	1341	<p>RNABEKKRLSLQREKILARVSIIDNRTRALVQALRRITOPKLCIT RVEELTFHLLFPBEGKVAVKRIIPYLLRLRQIKDETLQAAVR EILALIGYDVPVKRGIRIILSDGGCTRGVVALQTLRLVELTQ KPVHQLFDYICGVSTGAILAPMLGLFEMPLEDBCELYRKLGSdv FSQNVIVGTVMWSHAFYDSQTWENILEDRMGSAIMIBTARNP TCPKVAAVSTIVNRGITPKAFVFRNYGHFFGINSHYLGCCQYKM WQAIRASSAAGPYFAYALGNLHLDGGLLNNPSALAMHECKC LMPDVPLECTVSLGTGRYSDVRNTVTYTSKTLKSNVINSATD TEEVHIMLDGLLPDPTYFRPNPVCENIPLDESNEKLDQLQLB GLXYTERNEQKMKKVKATLSQEKTLQKINDWIELKTYMEGLD</p>

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6242	198	1310	<p>FFSKL</p> <p>QHFLPGARTWSPGAAVCTARRFPGRSLAAPPFPAPRAVENGE SSEDIDQMFSTLLGEMDLLTQSLGVDTLPPDPNPPRAEPNYSV GFKDLNESLMALEDQDLDAIMADLVADISRAEQRTTQAQKESLQ NQHHSASLQASIFSGAASLGYGTINVAATGISQYEDLLPPPPADP VLDLPLPPPPPEPLSQKEEBAQAKADKIKLALREKAKVRLV VKVHMNDNSTKSLMVDERQLARDVLDNLPHKTHCDCHVDWCLYE IYFELQIRFPFEDHENVVVLSDWTRDTENKILFLERKKYAVE KNPQNFYLDNBGKRESKETNEKMAKNKESILLEVLILQSGRKE KDVCSIFKSPASENNGKI</p>
6243	1509	614	<p>RSASRFSGCWSDSTCCCPSTCWSRSSASCPRARNPPSSAPAT TSRASRRRLACGPQTRAGARTSTAMIRANSAARDTRRATCRSA AGTPSPPTMTCLTDVPTGCAAVPTARLPAAWASTITTGCCPA MGQAGAGPAGRGSEAGGGPGRHHAHPSPLPREPVRVTGPPAH GPTPGSIDESPHELSAGSAGVTQESPLDPVDVDFLLFRTRAVDFLR RVFFPPFYQLTFFSIQPPPPCHAFHPRDPFAGTRQLILVPLK GPPILAPILSLTPILSRWSCYFFPSRLAQWHLS</p>
6244	2119	1745	<p>FEHAYASQFGTFPGNNESERCKLKLQQTNSLWSWVNPSELSK FTNPLFPAANNLVIWSPVAPQSLPWEGLFLWNRSSSKYLDRAVE EMVNIIEYNEKLQAKVNLIRQLARLETEDEGMQESP</p>
6245	81	1148	<p>LSLRNARYSPQRLISLPMTDLNDNICKRYIERMTNIVILSLI ICISLAPWIIISMTASTYIGNLRPISPWRMLPSVVVPLIVSNGL KKKSLDHSGALOGLVVGFILTIANFSPTSLMLPFLSSSKLTKW KEGVKKRLDSEYKGGQRRWVQVFCNGAVPTLALLYMIENGPC KIPVDPSRQYSASMMCLSLAALACSGADTNASEVGPVLSKSSP RLITITNERKVPVGTNGSVTVVGLVSSLLGGTFVGLAYFLTQLIFV NLDLISAPQWPIIAPGGLAGLIGSIVDSYLGATHQYTGLEDSTG MVVNSPTNKARHLAGKPIIDNNAVNLFSSVLIALLPTAANGPW PRG</p>
6246	1177	359	<p>SLMPWILLMDSDLMQISLQLLCVYTANFPNGCSSLWSSCGQHPV QATHRGAVSNSMLCCLKLASQMPLENTVQGNVPMILSNLALS HDCRGVTDKSNFLQNFSLALPAGGNKHLNLTILMLKLLNIS SGEDGQOMILLRDLGCLDLITENSKYEHKSSPLLPLLIHNVCS PANKPKILANEKVTIVLAACLESRNQNAQRIGAAALNALIYNVQ KARTALKSPSVRRVDRAYSIAKKTTPMSEANPLNAYYLKLEN LVQLLESS</p>
6247	3	1678	<p>NSRVWQPWTEPSAGSLRPMARKQNRNSKELGLVPLTDDTSHAGP PGPGRALLECDHLRSGVPGGRRRKDWSCSLLVASLAGAPGSSFL TGYNLSVVNAPTPYIKAFYNESWERRHGRPIDPTLTLLMSVTV SIFPAIGGLVGTILVKHIGKVLGRHTLLANNGPALSALIMACS LQAGAFEMLIVGRFIMQIDGGVALSVLPMYLSRISPEERIGSLG QVTAIFICIGVFTQQLGLPELIGKSTWPLYFGVIVVPAVVQL LSLPFLPDSPRYLLLEKHNEARAVKAPQTPLGKRVSQEVEVL AESRVQRSIRLVSVLELLRAPYVRNQVTVIVINACTQLOGLENA IWFYINSIFGKAGIPPAKIPYVTLSTGGIETLAAVPSGLVIEHL GRPRLIGGFGLMGLFFGTITITLTLDHAEWVPLYSTVGILAY IASFCSGPGGIFPILTGEFPQSQRPAAFIAGTVNWLNSNFAVG LLFPFIQKSLDTYCFVFTATCITGAIYLYVLPETKERTYARI SQAPSKRNKAYPPEEKIDSAVTDGKINCRP</p>
6248	56	1773	<p>VPPPRPMAAVPPGLSPWNRVRI PRAGNRSVTVQNPGAALDLCI AAVIKECHLVILSLKSTLDARTDVLCAVLYSNENEMGRHKPHL ALKQVBEQCLARKLNENLEGSIQDLFLFPSSNENQPLTTKVCVVP SQPVVELVLMKVLGACKLLELLDCCCKTPLLTVRELGLQEPFI LNLVNVGLVSRLLVLYKGLKRLILLYEPLFGLLQEVARIQPMF YFKDFTPPSDITRFLGQPYFEAPKKKMPIAFAARGINKLLNKL LDNEQSPRASEETILGISRKAKQMKINQHNVDLGGQPVKNERVP</p>

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6249	56	1773	<p>KRESEBFDVRAFCNQLKHKATQETSDFDKCSQSRLKTKYSSQK VIGTPHAKSFVORFREARSFTQLSEBIMAVVWCRSKLKAQAI FLGNKLLKSNRLKHLKAGGTSLPKLECIKTSICNHLRGSGIK TSKHLRQRBSQNKFLRQRKQKLOSTLLREIQQFSQGTAKS ATDTSARWRLSHCTVHRTDLYPNSKQLNSGVSMFVIQTKRMI HENLRGIHENETDSWTVMQINENSTSGTIKETDIDDIPALMGV</p> <p>VPPPRMAAVPFGLEPMNRVLI PKAGNESAVTVQNGAALDLCT AAVIRECHLVILSLKSTLDARTDVLCAVLYSNHNRMRHKLPHL ALKQVBQCLKRLNNMLEGSIQDLPELSSNENQPLTTKVCVVP SQPVVBLVLMKVLGACLLLELLDCCCTFLLTVKHLGLQBPFI LNLVWVGLVSRWLVLVYEGVLERLILLYBPLFGLLQEVARIQPMF YPKDFTFPSDI TEFLGQPYFEAFKKKMPAFAAKGINKLINLKP LINEQSPRASEETLLGISKEAKQMKINVENVDLGQPVKMKRVF KRESEBFDVRAFCNQLKHKATQETSDFDKCSQSRLKTKYSSQK VIGTPHAKSFVORFREARSFTQLSEBIMAVVWCRSKLKAQAI FLGNKLLKSNRLKHLKAGGTSLPKLECIKTSICNHLRGSGIK TSKHLRQRBSQNKFLRQRKQKLOSTLLREIQQFSQGTAKS ATDTSARWRLSHCTVHRTDLYPNSKQLNSGVSMFVIQTKRMI HENLRGIHENETDSWTVMQINENSTSGTIKETDIDDIPALMGV</p>
6250	232	1306	<p>LAALHIMALPFRKDYLEKYKDLDEKLGNISETLQKLETVLDD LDPENALLPAGFRQKNQTSKSTTGPDRREHLLSYLEKEALEHND REDYVVPYTGKKGKFIPIKQKPVOTPTREKVSLOPRLERALTSA SDTELCDLAAILGMHNLITNTKFCNIMGSSNGVDQEHFNSNVVG EKILPVDFPNNPTNVEESLKRTKENDAHLEVNININIKNIPIPI TLKDFAKALETNTNTHVKCFSLAATRSNDPVATAFAEMLVNMTLK SLNVESNFTGVGILALIDALRDNETLARKIDNQRQQLGTAVE LENAMKLEENTNLKPGYQPTQGGPPTRAANATTNNDLVRKR VEGDHQ</p>
6251	62	972	<p>TPGSGPMSANAAASLSRAAARCLLARGPGVRAAPPQPPPSHPE PRCGGAAPGRTLHTAFAVPAHNMKSKVRHLKQPKDVERSRIFS KLCLNIRLAVKEGGPNPEHNSNLNILEVCRSKEMPKSTIRIAL KMEKSKDTYLLYEGRGPGGSSLLIRALSNSSHKQADIRHILNK NGCVMAVGAREHSDKRGVIVVEVDREKKAVHLERALEMAIEAG ABDVKRTEDREERNVPKPICDASSLHQVRKLDLSGLCSVSCAL EPIPNKSVQLABPDLEQAHLIQALESNHEVDVHVTDNIR</p>
6252	27	1897	<p>EEFCTWLAIVRGEMETAPKPGKDVPPKDKLQTKRKKPRRYWEE ETVPTTAGASPGPPRNKQWRELPQRPENAYILKKSRIKSKQPV PKKPREWKNPESQRLSGAQDPPGPAFVPPVVEVQKPCRIDKSR KLPHSKAKTRSRLEVARAREEETS IKAARSEILLABEPGLEGE DGEDTAKI QOADIVEAVD IASAAGHFDLNLKQFGPYRLNYSRTG RHLAFGGRRGHVAALDWVTCKLMCEINVMEAVD IRLHSEKALL AVAQNRWLHIYDNQGIHLHCIRRCRVTRLEFLPHFILLATASE TGFLTYLDVSVC KIVAALNARAGRLDVMSQNPYNAVHILGHSNG TVSLNSPAMKPLAKLLCHGGVRAVAVDSTGYMATSGLDHQL KIFOLEGTYPFLSTRTLPHGAGHLAFPSQRELLVAGMGDVVNIWA GQGKASPPSLEQPYLTHRLSGPVHQLQPCPFEDVLGVGHTGGIT SMLVPGAGEPNPDGLESNPYRSRQKQKMEVREALLKVPARLIC LDPRALAEVDVLSLEQGGKEQIBRLGYDPAKAPFPKPKQKGR SSTASLVKRKRKVMDEEHRDKVRQSLQQQHERRAKKPTGARPS ALDRFVR</p>
6253	27	1897	<p>EEFCTWLAIVRGEMETAPKPGKDVPPKDKLQTKRKKPRRYWEE ETVPTTAGASPGPPRNKQWRELPQRPENAYILKKSRIKSKQPV PKKPREWKNPESQRLSGAQDPPGPAFVPPVVEVQKPCRIDKSR KLPHSKAKTRSRLEVARAREEETS IKAARSEILLABEPGLEGE DGEDTAKI QOADIVEAVD IASAAGHFDLNLKQFGPYRLNYSRTG RHLAFGGRRGHVAALDWVTCKLMCEINVMEAVD IRLHSEKALL</p>

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			AVAQNRLHLYDNQGTIELHCIRCTRVTRLEFLPFHPLLATASE TGFLLTYLDVSVGKIVAAALNARAGRLDVMSQNPYNAV IHLGHSNG TVSLNSPAMKREPLAKILCHRGVRAVAVDSTGTYNATSGLDHQL KIPDLBGTYOPLSTRTLPHGAGHLAFSQRGLLVAGMGDVVNIMA CQGGKASPPSLEQPYLTHRLSGPVVEHLQPCPFEDVLGVGHTGGIT SMLVPGAGEBNFDGLSEHPYRSRQROEMRVKALLEKVPALIC LDPRALAEVDVISLEQGRKEQIERLGYDPAKAPFPQKPKQGR SSTASLVKRKRKVMDEEHRDVRQSLQQHHRKAKAKPTGARPS ALDRFVR
6254	155	1139	HALGRGCGSQEISAAACGCFALRLAPGSCRPALAPGAAAFAGL GGAPRFPFGGSAAGRTMLLETRYICMPLTVDEYKIGQLYMISKH SHEQSDRGEGVEVQWEPFEDPHHNGQPTERRVYLSKLPSSWA RAVVPKIFVYTERAWNYFPYITITETCSGLPKFSIHLETKYEDN KQSNITIFDNRKADVEREVCPIIDLACDRIPERYTERSEDPKHF SEKTGRGQLREGMDSHOPIMCSYKLVTKFVWGLQTRVQFV HKVVRDILLIGHRQAPAWVDENYDMTMDVREYKQWMEQTNIX VCRQHSFPVDDIESHAQSTT
6255	1	1444	PTERPQQLVSLATVIFVASQKALSVESKAVIKQQLSEVSGNWT VYRIARQAGRMGNHNAKELYQSLLTQVASKHFPYPLNSLKRFS HARQCLTGLQENYSSALSCLAESLKFYHNGIASLTAASTPLNP LSFQCFEVHLRIDLLQAFSOLICTNSLRTSPPAIATTIAMTL GNDLQRCGRISNOMQSMKEEPRSLASRYGDLQASPDADSATLR NVELQQQSCLLISHAIEALILDPESASQHYGSTGTAHADSEYE REPMNSVYNHVLKEVESLHGKYTPVSYMTACLCAIILALKVPL SFQRYFFQKLQSTSILALSPSPRNPAKPIAVQNNQALAEKVEG VVQHGSKPGLFRKIQSVCLNVESSTLQSKGQDYKIPIDNMTHM BQVVEPHNDYPSTQPLLNFALLOTHNITVSSVXDANGIVWKTG PRITIFVRSLEDYFSQQLRLQQQQAQQFLQQQQQRNAYTRF
6256	1	1542	CRQAGAEPAANPRSPRLVPSLESTSTSVPPAGTMTATSWALA VDEQRAAASLSNLHLKEEKIKPDTNGAVVITNANAERTDEERK EDRAAQSLNELLIRSNLVNTNQVEVLQDPNSFLYSVKSFEEL RLKPOLLIQGVYAMGPNRPSKIQENALPMLAEPQNLIAQSQSG TGKTAAPVLAMLSQVEPAKYPQCLCLSPYTELALQTKRVIEQM GKFPYELKLAVVRGNKLERGQKISEQIVIGTGTVLQWCSKLEK FIDPKKIKVFLDEADVMIATQGHQDQSIIRIQRMLEPRQOMLLP SATPFDSVWKPQAKVVPDPFNVIKLRREETLDTIAQYVLCSSR DEKFOALCNLYGATTQAQMI FCHTRKTASWLAELSEKGHQVA LLSGEMMVEQRAAVIRPREGKRVLVITNVCAIGIDVEQVSVV DNEFLPVDKDGHPDNETYLHRIGRTRFGKRLAVRMVDSKHSN NILNRIQEHFNKIERLDTDDLRIEKIAN
6257	210	615	AFIPAMAEIQLKLGVEVKYQQLQKDLSEMSGRQKLEAQLTE NNIIVKEELALLDGSNVVFKLLGPFVLVKQELGEARATVGRRLDYI TARIKRYESQLRDLERQSEQQRETLAQLOQEFQRAQAAKAGAPG KA
6258	210	615	AFIPAMAEIQLKLGVEVKYQQLQKDLSEMSGRQKLEAQLTE NNIIVKEELALLDGSNVVFKLLGPFVLVKQELGEARATVGRRLDYI TARIKRYESQLRDLERQSEQQRETLAQLOQEFQRAQAAKAGAPG KA
6259	2	1540	ILEKGFPSQCHPERKWKVDDVLESSQENEDHFWNLLFHNKTV SVENGDRGSKTFNLGTDPVSLRNYPYKICDSCKMNLKNISGLII SKKNCRRKKPDEFNVCEKLLDRIHEKIPIGKSYKYDQKKNAI FVHQDLSQSPSQSFEYSKNGQGFHDAAPFTNKRSQIGBTVC YNECGRTPIRSLKLNISQRPHEMERPGCSICGKSPCMNLRFGH QRALTQDNPYEYNEYGELFCDSAPFIHQGAYTRKILREYKVS KTWKRSALLKHQIVHMGKESYDYNENGSNPSSKSHLTQLRRABT GEKTFECGBOGKTFWEKSNLTQHQRTHTGKPYECTECGKAFQ

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			KPHLTNHQRTHTGKPYECKQCGKTFCKVSNLTHQRTHTGKPYECNACGKSPCHRSALTIVHQTHTGKPPICNECGKSFCKVSNLIVHQTHTGKPYKCNBOGKTFCEKRSALTQHRTHTGKPYBCNACGKTFQSRSVLTHQRTHTHVKALSTS
6260	2081	1436	GTGPETHACAHASARAPGSRANALRELVCLLGDGTGVGKSSIVWRFVDSFDPHINPTIGASFMTETVQYQNELHKPLIWDTAGQERF BALAPMYIRGSAAAIIVYDITKEETFTSLKNWVKLRQHGPPNI VVAIAGNKCDLIDVREVMERDAKDYADSIHAI FVPTSARNAINI NELPIEISRRIPSTDANLPGCGEGFKLERQPSSEPKRSCC
6261	3	1188	PWYRLGPQTESRNPREGSNAASLVPRGSPFAALVTSFCTPDPLR SPACEPCRPDFAFPALLLRSGPRSAFVTKGPKALKGQPGFPWG MAEVSIDQSKLPGVKEVCRDEFAVLEDHTLAHSLOEQRIEHLAS NVORNLVQHDILQVAKQLQEBDLKAQAQLQKRYKDLBQDQCRIA QRTQEKLAIRAEERRIQEKDEDIARLLQEKELQEKERKCKHFP EFPATRAYADSYIYEDGGMKPRVMKEAVSTPSRMAHRDQBNYDA BIARKLQEBELLATQVDMRAQVAQDEBIARLLMAEKKAYKKA KREKSSLDKREKQDPEWPKTKAKAANSKSKESDEPHSENERPA RPPFPIMTDGADADYTHFTNQSSSTRHPSRSRSRSHRGPHYKH
6262	2	1759	PECHSQGLCSVHRPGKVPQARNLGLVLRDEPAGHRLSQEKIL GSTRLVSQGLRALSESQAVALQSIQTIECLQCGGHEBGLVHEK ARQLRRSMENIEGLSRAQVMLALASHLSTVSEKQKRAQVRR LCQENQWLRLDELACTQQLRQSRQAVALEBEKKHLEFLQLRQ YDEGHTSREKEGDATKDSLDDLPFNEEEDPSNGLSRGQGATA AQGGYEIPARLRTLHNLVIOYAAQGRYEVAVPLCKQALEDLER TSGRGHPDVATMLALVYRDQNKYKAAHLNDALSIRESTL GPDPFAVAATLNNLAVLYGKRGYKKAEPICQRALEIREKVLGT NEPDVAKQLKHLALLQNOGKYBAVERYYORALAIYEGQLGPDN FIVARTKNNLASCYLKQGYABARTLYKELTRAHVQRFQSVDD DHKPINWHAERREMSKSRHEGGTTPYARYGGWYKACKVSSPTV NTLRLGALYRRQGLKLAETLEECALRSRRQGTDEISQTKVA ELLGSDGRRTSQSGPGDSVKFEGGRDAFVAVENSGDGSOTLQR SGLKLRDVLRR
6263	1	2408	RELDLSLADLPERIKPPVANGLSLTHLRSSSVEDVKLIYSEGRPT IEVERCEMPSVICERTKQPTIISERNQGSLLTVPGDTSFSPKPEVFSNVPERDLNVSNINSSFATSPTCASNSKIVSADRNLIKNT APVNTVMDSPVHLEPSSQGVIONKSWEMFVDRLETLSRDPIC FNSNIPDQESSLQSPCNSENKVLKRNADFLSLRQTLPGNSCAQ DPASFMPQQPCSPSPQSLSDAESISKHMSLSYVANQBPQILQQ KNAVQIISSALDTNBNSTRDTNTFVLGDVQRTDAFVPVYSDST IQEASPNFREAYTLPLVPSKDPNGSDASTQLNTHYAFSKLYTK SSSGHEVENSTDTQVISEKENKLESILVTLHLSRCDSDLCBN AGMPKGNLNBODPKHCPESEKCLLSIRDESQOSILSSLENHSQ QSTQPEMHYQGLVKVLEKENABDDKTENQIPORMTRNKANTMA NQSEKILASCTLLSEKDSRSSSPRGRLRLTEDDDPQIHHFRERK VSRVPQPVQVSPSLQAKKTKQSLAAIVDSLKLDRIQPYSSER ANPYFYLHIRKKIEERKLLCSVIPOAPQYXDEYVTPNGSYLL DGNPLSKICIPTITPPPSLSDPLKELFRQGEVVRMLRLQHSIE RKKLIVSNEQEVLRVHYRAARTLANQTLPPSACTVLLDAEVYV PLDSQSDSSTSVDRDFNARQFMSWLQDVDDKFKLETCCLMRO QHEAALNAVQRLWQLKLQELDPATYKSISITYEIQEFTVPLVD VNDDFELTPI
6264	143	1960	KHQEENALDMPAELHMTGPMCLTENTGELVANPEALKILSAI TQPVVVVAIVGLYRTGKSYLMNKLAGEKGFSLGSTVKSHTRCI MNVCVPHPKPEHTLVLLDTEGLGDVKEGDNQDQSWIPTLAVILL SSTLVYNSMGTISQAMDQLYYVTKLTHRIRSESSPDENENEDS ADPVSPFPDFVWTLRDFSLDLSDGQPLTPDEYLEYSLKLTQGT

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			<p>SQDRKMFNLPRLCIRKFFPKKCFVDFLPFTHRRKLAQLERKQDE ELDPFVQVQVADFCSYIIPSNSEKTKTSLGGIKVNGPRLSESLVLT INALSEGDLPOMENAVLALAQIENSAVQKALAHYDQMGQKQVQ LPAETLQKLLDLHRVSRREATEVVMKNSPKDVLHPQKLLAAQL DKRDDPCKQNEASDRCSALLQVIFSPLEEEVZAGIYSKPGG YCLFIQKQLDLKKKYTERPRGQIQAERTLQTYLRSERSVTDAIL QTDQILTEKKKIEVECVKARSQAQSAKMWEMQIKYQOMMEK EKSYQEHVKLTERREREAQLLEBQKTLTSKLQEQARVLKER CQGESLQNEIQKQLKTKKKTKRYMSHKLKI</p>
6265	143	1960	<p>KHQENNALDMAPRTHMTGPMCLIENTNGELVANPEALKITISAI TQPVVVVAIVGLYRTGKSYLANKLAGRNEGPFGLSTVRSHTFGI WMHCVPHPKPKBHTLVLLDTBGIDVVRGDNQDSWIFTLAVLL SSTLVYNMGTINQAMDQLYTVTELTHIRSKSSPDENEMDS ADFVSFFPDVFWTLRDFSLDLEADGOPLTPEYLETSLKLTQGT SQDRKMFNLPRLCIRKFFPKKCFVDFLPFTHRRKLAQLERKQDE ELDPFVQVQVADFCSYIIPSNSEKTKTSLGGIKVNGPRLSESLVLT INALSEGDLPOMENAVLALAQIENSAVQKALAHYDQMGQKQVQ LPAETLQKLLDLHRVSRREATEVVMKNSPKDVLHPQKLLAAQL DKRDDPCKQNEASDRCSALLQVIFSPLEEEVZAGIYSKPGG YCLFIQKQLDLKKKYTERPRGQIQAERTLQTYLRSERSVTDAIL QTDQILTEKKKIEVECVKARSQAQSAKMWEMQIKYQOMMEK EKSYQEHVKLTERREREAQLLEBQKTLTSKLQEQARVLKER CQGESLQNEIQKQLKTKKKTKRYMSHKLKI</p>
6266	276	1421	<p>GSHQKQMLVPCFLYSIQNRKPSLYGSLTCQGIQGLDGIPEVTASE GPTVNEINKSIHICPKENASSKFLAPYTFPSRHTKSITCLD ISSRGGLGVSSSDGTMTKIWQASNGELRRVLEGHVFDVNCRRFP PSGLVVLSCMDAQLKIWSAEDASCVVTFEGHKGGLIDTAIVDR GRNVVSASRDGTARLWDCGRSACLGVLDGSSINGVAVGAADN SINLGSFPQMPSEREVGTEAKMLLAREDKKLCGLQSRQLVF LPTGSDAFNCTFLSGFLILAGTQDGNIVQLDVSPPAPVQVIH RSGAPVLSLLSVRDGFLASQGDGSCFTVQDLDYVTELTGADCD PVYKATWKEQITYTCRDLVRRYQLSDL</p>
6267	3	622	<p>LGMDKNNBAKRGPDQGNQPPAPPEKVGWVRKPGKGIPTRIWR NRTVVLKQDQLYISEKEVDERNIQEVFDLSYERKCBELRKS RSKKNHSKPTLAKSKQPGTAPNLIPLAVEPEEKESWINALNSA ITBAKNRILDEVTVKEDSYLAHPTDRRAKIQHSRRPPTRGHMA VASTSTSDGMLTDLIQEEDPSPEBPTSLC</p>
6268	160	1368	<p>HRRLCQMLPAGLSSALIDNPLTLLSIDTYVMLQBPVTFQDVAV DPSREENGILGPTQRTFYRDVMLETFGLVSVGWSTTLNKLRA PNSDIPERRPAPSLKVQSSRDCAISSLEDTLQGGVQEVQDTV LKQMSAQKEDLPQKHFDRNSQANSALDINQVSLQKIDNPE SQANEGALUTVQLLHKIPPRKRLRKRSQVSKMHSKVKIHO KSCERQAKEGNGCRRTFPRSTQITFIRIHKSQVCRCSBGK IFENPRYFVHKKIHTGERPYVCQDGRGCVQSSSLTQHQRVHS GERPPECQECGRTPNDRSALSQHLRTHGAKPYKQDCQKAPRO SSHLIRHQRTHTGERPYACNKGKAPTQSSHLIGBQRTNRTKR KKKQPTS</p>
6269	2886	1449	<p>HASAPTRRNMAAASPLRDCHAWKDARLPLSTTSNEACKLPDATL TQYVKNINDESIGGIEGCLSKLAADPTFVNGHAMATGLVLI GSSVKLDKRLDLAVKIMVEISRTQPLTRREQLVSAVETFANGN FPIACRLMBQILQDHPDMLALKFSDHAYFYLYGQEQMRDSVAR IYFPWTPDIDLSYVVG IYSFGLMETNFDQAEKLAKALSINP TDANSVHTVAHHEMKABIKDGLRPMQHSFTLWEDSMLACHNY WMALYLIERGEYBAALT IYDTHILPSLQANDAMLDVVDSCSML YRLQMEGVSVGQEWQDVLVARRKHSRDTLLFNDAHPTMASLGA HDPQTQBLTLTRDASESPGNCQHLLARDVGLPLCQALVEAB</p>

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			DGNPDRVLELLLPYRIVQLGGSNAORDVFNQLLIHAAINCTS SVHENVARSILMERDALKFNSPLTERLIRKATVHLAQ
6270	23	2086	SVTVTLGSEHGDRPPFYHLEEMEDBPONGEPARTYIREAYKKA FLFVNKGLWTDRLGQKBEARNYTKQIGHLLAGISISSKSEHT GPGWESARQMQQMKETLQVRTELEILKELATSLQNDLQEV KLYPEFPKDMCKELPEPQSFSSAPQAEVRENTSTPSAGAVAA PASLSLPSQSCFARAPPAYTPQAAGHYTVSYGTDGSEFSSVGE EPTRENSQPPPLETLGLDADELILI PNGVQIPFVNPAEVSAPS YPGYLRIVRFLMSLDTVLNRPPGFLQVCDWLYPLVPPDSVLEK CTAGAYMFPDTMLQAAGCFVGVVLSSELPEDDRLLFDLLRQMS DLRIQANWNRARENEFPQYFGRTRPSSDQKKEASGTDVRQLDQG NKDVRHKGKRGKRAKDTSSSEVNLSHIVPCBPVPBEKPKELPEW SEKVAHNLSCASWVBNGLVEGAEITOKAIQKGA SKLERIQPE EKPVRVSPAVTKGLYIAEQATGAARKVQFLVDGVTVCANCVGK HLAPHVKHGSKLVPESLKKDDGKSPLDGAMVVAASSVQGFST VWQGLECAAKCTVNVASBTVQTVRYKYGYHAGEATHHADVSAV NVGVTAYNINNIIGIKAMVKTATQNGHTLLEQYQIVDNSQRENQ EGAAVNVVRGKDEQTEVVKRAKDDK
6271	32	1058	GCCVKTAGVGRKKELSIHFPVPGSCRLVEBEVNIENRRVLVTGA TGLGRAVHEKFPQNNHWAQCOFRRARPKPEQVNLDSNAVENH IIRDFOPHVIVHCAAEKRPDVVEEQPDAAQSLNVDASGNLAKBA AAVGAFLIYISDYVFDGYNPPYREEDIPAPLNLXGKTKLDGKK AVLENNLGAVALRIPILYGEVEKLRASAVTMFDRVQVSNKSN MDENQORFPTHVKDVATVCRQLAEKRMLOPSIKGTFHWSGHEQM TKYEMACAIADAENLPSLRLPITDSFVLGAQRPRNAQLDCSKL ETLQIGQRTTPRIGIKESLNPFLIDKRNQTVFH
6272	1136	528	GAVMEDAAAPGRTEGVLERQGAAPAAAGQGGALVELTPTPGGLAL VSPYHTRAGDPLDLVALAEQVQKAEDEFIRANATNKLTVIARQI QHLQEQARKVLEDAHRDANLHVHACHIVKPGNIYYLYKRESGQ QYPSILSPKEWGTSCPHDPLGAYKLQHDLSWTFYEDIRKQDAKI SNMDTLISQSVLPFCIEPNFQGLTH
6273	256	843	SCPEVSPFCRSIGCCVMSLPLMCSPDHRRGSCNGRPQDLKIA SAAHNSKCHPGAGAAARQAHARTLWYDRPYVMEFCVEDSTDV HVLIEHRIVPSCINADGVELYNEIEFYAKVNSKDSQDKRSSRS ITCFVRKWKREIVANFRLTKEDIKPVNLSVDPDNRDMBGDEBME LARVEHYAEVDMTYCVLPT
6274	56	1142	AAAMAAAGGGAGARSLSRFRGCLAGALLGDCVGSFYEAHDT VDLTSVLRHVQSLPDPGTPGSRTEALYTTDDTAMARALVQSL LAKRAFDEVDMAHRFAQETKKDPDRGYGAGVTVFKLLNPKCR DVFPARAQFNGKGSYNGGAMRVAGISLAYSSVQDVQKFAKLS AQLTHASSLYNGAILQALAVHLAQGSSSSEPLKQLLGHEMD LEGDAQSVLDARELGMERRPYSSRLKKIGHLLDQASVTRKEVVS ELGROIAAFESVPTAIYCFLECMEDPBIPIPSAFNSLQRTLIYSI SLGGDDTDTIATNAGALAGAYYGMQVPRSNQSCBGEYETDILA QSLHVRVQKS
6275	20	565	SRRCRARCARGSERFVPRPAKTMAPMVKTMVGGQLKNLGSLG GGEDKGGDKSAARAGMSREBYEYQKQLVKEEMERDAQFTQR KAERATLASHPDKYRLPKNETDREQIQMAGGDVELPRELAKMI BEDTBEERERASVLGQLASLPGNLGSLKDKAQATLGDLQSAK KCHVM
6276	797	97	TLLPLPLPOTBGMILINTGLEGTVAENPVPIVHTPSGNILTE SCLQQLATHPGHWIHLQIAEPALRPSLALLARLSSGLLEWP VNVGAKISHGSPVPGHVAGRELLTAVASVPHVTVAPGWPREV LGSGYREQLLTDMLELQQLWQVSPQMQAMLLGBSTAGAIORL IASSFRATVTVBNDPAGGDYASVKTALLAARAVDRTRVYRLPO GYHKDLLAHVGRN

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6277	4600	2744	MAFRTEMGLYSYFYFTIVEAPSEFLNGVMIMNDKLTETPLVINT LKRPNLYPEVILASWYRIYTKIMDLIGIQTKICWVTITIGGLSP TESCEGLGDPACFYVAVIFILNGLMMAFPFIYGTTLSCSRLGGL VTVLCPFFTEHGECTRMVFTPLRESFSYFPLVLMVTHILRA TKLYRSLIALCISNVFFMLPQFAQFVLLTQIASLFAVYVVG IDICLRRIYIRHIELALCPVLMFQNSMLTSYASSLVIING ILAMQPHLEKINVEKSLAWIQQCPHLFGTVILKYLTSKIPGIA NDAHIGNLLTSKFSYEDFTLLYTCAAEFDMKISTPLRYTKI LLLPVVLVGPVAIVRAIISDMGVLAKQQTIVKRPQPHSELVY HALQLLAYTALGILIMELKELFTFMCMVASLICSRLPGNLFPC KVHPGAIVFAILAMSIGGSANLQTNWTVGEFSKLPQSELLEW IKYSTKPDVAFAGAMPTASVKLSALRPVIRHPHYEDAGLBART KIVYSMYSRKAAREVKRELIKLVNYIILEBSNCVRRSKPGCSM PEIWDVEDPANAGKTLCHLLVVDSEKPHFTTVQBSVYKVLLEV KE
6278	3	823	ILPRVLVLSVYLINSVATEERKPABVLIVEGQQTAVVGTVLILL IRIILEYCGQVNDPVSVTITMLTSLDLKYPNSRSCQLVLGAG ALQVVGLEKITTMLALSSRCQLIVHYIPVIRAHFEARLDPKQ YSMLRHPDHTTDTYDHIARIKALVAIMDSLEFKLSKYEVKA FVPSACFRNICQMTMREAIPLLPEEQTMPLERINASYKLIH LKKQLSHLVINDGGPQNGLVTDVAFYTGNIQALEGLKOLDIN HABINEQTR
6279	127	1687	GGAMASDGARKQFWKSNKSLPGSIQHVYGAQHPPFDPLHGT LRSTAMPTTEVAKRVSTPQEFESNTSDANDAGEDDDDELLAMA AESLNSFVVMETANRVLRNHSQQRPTLOEGPGLQOKRPEAR PPSPSPGDLRLVKSVSSEHTSCPARSASDAAPLQRSQSLPHSAT VTGGTSDPSTLSSALSPERASRLDERPQLLAGPNTDLEELRR LSWSGIPKPVRRNTWELLSGYLPAFVDRRPAFLQKQKEYPAPI EHYDSRNDVHQDTYRQIHIDIPMSPRALLQPKVTRIFER LFIWAIRHPASGVVQGNLDVTPFPVVFICEYLRABEVDTVDS GVPAEVLCHTEADTYWMSKLLDGIQDNFTYFQPGIQMKVXMLE ELVSRIDBQVRRHLDQHEVRYLQFAFKNHLLMREVPACTIR LMDTYQSEPDGFSHPFLYVCAFLVWRKRLLEKQDQELLFL QNLPTAHNDSDISLLASAYRLKFAFADAFNHYK
6280	857	2515	ECCDQMGSRNSSSAGSGSDPSEGLPRGAGLRSEEREREDR DVDLAQVLAYLLRGGQVRLVQGGGAANLQFIQALLDSEENDRA WDGRLGDRYNPPVDATPDTRLEFNEIKTOVELATGQLGLRRAA QKHSFPRMLHQRERGLCHRGSPSLGQSRVISHFLPNDLGFTDS YSQKAPCGIYSKDGQIFMSACQDQITRLYDCRYGRFRKFSIKA RDVGSVLDVAFTPDGNHFLYSSWSYTHICNIYEGEDTHALD LRPDERRFAVFSIAVSSDGREVLGGANDGCLYVFDREQRRTIQ IESHEDUVNAVAFADISSQILFSGGDDAICKVNDERTMERDDPK PVGALAGHQDQITFDSEGDARYLISNSRDQTIKLWDIRFPSSR EGMEASRQAATQGNWDYRQVQVKKAWRELKLPDSSIMTYRGH GVLHTLIRCRFSPHSTGQQFTYSGCSTGEVVVYDLSGHIVK LTNHKACVRDVSHPFEKIVSSSWDGNLRLWQYRQAEYFQDDM PESEECASAPAPVQSSSTPFSSQ
6281	857	2515	ECCDQMGSRNSSSAGSGSDPSEGLPRGAGLRSEEREREDR DVDLAQVLAYLLRGGQVRLVQGGGAANLQFIQALLDSEENDRA WDGRLGDRYNPPVDATPDTRLEFNEIKTOVELATGQLGLRRAA QKHSFPRMLHQRERGLCHRGSPSLGQSRVISHFLPNDLGFTDS YSQKAPCGIYSKDGQIFMSACQDQITRLYDCRYGRFRKFSIKA RDVGSVLDVAFTPDGNHFLYSSWSYTHICNIYEGEDTHALD LRPDERRFAVFSIAVSSDGREVLGGANDGCLYVFDREQRRTIQ IESHEDUVNAVAFADISSQILFSGGDDAICKVNDERTMERDDPK PVGALAGHQDQITFDSEGDARYLISNSRDQTIKLWDIRFPSSR

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			EGMEASRQAATQCAWDYRWQCVFKAWRLKLPQDSSLMTYRGH GVLHTLRCRFSPIHSTGQQFIYSGCSTGKVUVYDLSGHIYVK LTHKACVRDVSHPFEEKIVSSNDGNLRLNQYRQARTFQDDM PESEECASAPAPVQSSSTPFSSPO
6282	125	906	RMAACRAKAVLVDSGLHIEDAAVPOAQEALKRLRGASVIIR FVITTTESKQDLLERLRLKLEFDISEDRIFTSLTAARSLERQ VRPMLLVDDRALPDRGIQTSDFNAVVMGLAPERFHYQILNQAF RLLDGAPLIAIHARTYTKRDKGLALGPGPPVTALEYATDTKAT VVGPKRTYFLRALGTCGPEBAVMIGDCRDDVGGAGQDVCM GILVETGKYRASDEKINPPPYLTCESTFHAVDHLLQHL
6283	140	1043	LSLPGTHVMNPFMSMSTSSVRKRESEKERTLTODVKTSPPRTAP KKQLPSIPKNAIPITKPTSPAPAAQSTNGTHASYGFFLEYSL AEFTLVVKQLPGVYVQPSYRBAIMNFGVIFIRHGLYODGVKFP TVYIPDNYPDGDGCPRLVFDIPVFEPLVDPTSGELDVKRAFAR RNNHIIQVLMYARRVYKIDTASPLNPEAAVLYEKDIQLPKSK VDSGVKCTARLPDQPKIRDYALSPSPNPSVHDEAREKMLTO KKKPSQHNKSVHAGLSWVKGSGVQPFSEKKTIVAT
6284	1	2879	RSVIPGSTISSRMFGLSRPFPMAAHENDWQREELTQGISDIRV QNLQVERENVOKRTFTFWINLHLKCNPPLEVKDLFVDIODGKI LMALLEVLSGENLLHRYKSSSHRIFRLNNIAKALKPLEDSNVKL VSIDAARTADGNPSLVGLIMNLLFPQIKELTGNLSRNSPSS LAPGSGGTDSSSFPPTTAERSVAISVNDQREKAKALLAVQR KTRKYGAVQDFAGSWRSOLAPLAVIKADPSLVDMKQALENST RENLEKAFSLAQDALHIFRLLEPEDIMVDTPDEQSIMTYVAQFL ERFPELEARDIPDSDEKVPJESTFVRIKETPSQESKVPVLTEN CERTYTVNHTSEHPPSKVFCNKPESWKEFRLDGVSSHLSGS STEPMHQIDQVLQGGPGKTSDISRPSPESSILSRKNGRSNS LPIKKTVEFEADTYKDPFCCKNLSCFEGSPRAKESLRQDGHV LAVEVAEEKQXQESSKIPSSSDKVAGDIPLVEGTNNNSQSS ONGALESTARDESHSLSPGENTVMADSPQIKVLMITVRALE EGDYFPAIFLQASKFNSDLIDPASTSQAFKVPSPHETKPDEDA EAFENHAKLCGRSIRBAHKKDSPEQVQMDKHEPHQDSGERA EGCPSAPRETPVDKKEPVEHAKARKSTRPHYREHGEDDLQGVG EELSSSPSSCVSLETLSHSEHGLDFKPPPLSKVSVIFEDLP VPHYEVPLAAVLEAVVEDPEDLKNEMDLKPEGTMPDLSRE READGSQSSSSSVPGESLPSASDQVLYLSRGGVGTTPASBPAP LAPHEDHQQRTEKENDPMDSHQSQESPNTLEIANPLENNVTKES IESKKKCKRKHVDHVESLFFVAPGSVQSSDOLREDSSTYSIPSR TEHSDSSYYLRHHTHRSRSDHPSLCSVEERSRSG
6285	2157	1331	SKRTNLLMNNPQQGLSFLPSALVITWTSAAFIPIFYITAVTLHI IDPALFYISDTGTVAPEKCLFGAMLHIAAVLCIATYVRYKQVR ALSPRENTVIKINWAGLVGLILSCLGLSIVANPQRTILFAHVS GAVLTPGMSLYMFVQITLSYQAPKIRGKQVFWIRLLVITWCG VSALSMITCSSVLHSCNFGIDLEQKLEHNFEDKGYVLMHTTAA EWMSPSFFGFFLYIRDPQKISLRVEANLHGLTLYDTAPCPIN HERTRILSRDI
6286	1619	276	KAGASCCGSANFYVSCKSCVLLAMAQLQTRFYTDNKKYAVDDV PFSIPAASEIADLSNIINRLKDKNEBHKHVEFDLIRGQFLRM PLDKHMEMENISSREVVIEHYVEKYTAPQPEQCMFHDDWISSIK GAEBWILTGSYDKTSRINSLEKSIIMTIVGHTDVVDVANVKD SLSCILLASMDQITLLWENNVERNKVKALHCCRGRAGSVDSIA VDGSGTIFCSGSWDXMLKIMSTVPTDEDEMERSTNRPKRQKKT EQLGLTBTPIVTLSGNEAVSSVLNSDABEICSASWDBTIRVWD VESGSLSTLTGNKVPNCISYSPLCRLASGSDRHRILNDPRT KDGLSVLSLTSHGHTSVKWSPTHEOQLISGSLDNIVKLDWT RSCGAPLYDLAAHEDKVLSDVDTDTGLLSGGADNRLYSRYSP

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			TTSHVGA
6287	278	1482	<p> MQFFPNFOICLRSTSCRRKYSQDAGPLGDALQLFLQCLALDRDF APARKVQKILCDLLPENLEGLKSSWSLPCPKRPPDFHS VMBSQSLNEPSPKQSEELPVTSEPEVGSINRAQSAQSINSTE MPAREDCLEKRVSSSPVLSVQKGVLLKRLSLLEQDVIVNEGR HKLEKQGETPNKVMFSLATGDIPEELIDVSDFECSLQRLPPE PVTTPCGHSPCRNCLERCLDHAFYCPCKESLKYTLADERYCVT QLEELIVKYLPRDLSEKKIYDEETAEKLSHLTHVPIFVCINA YPTVPCPLHVPFPRYRLMLRSIQGTGKQFGACVSDTQNSPADY GCMQLIENHFLPDGERSVVDTVGGKRFVLRKGRMDGYCTADIE YLEOV </p>
6288	1	743	<p> VTLYPCRGVLGNLLIGASGNASGCKIGPSILNSDLANLGAECLE MLDGADYLHLVDMDGHFVFNITFGHPVVSLEKQLGQDPFFDM EMVSKPEQNVKPMVAGANQYTFHLEATENPGALIKDIRNGM KVGLAIRPGTSVEYLAPWANQIDMALVMTVEPGFGQKPMEDM PKVHMLRTQPPSLDI EVDGGVGPDTVHKCAEAGANNIVSGSAIN RSEDPFRSVINLLRNVCSAAQKRSLEDR </p>
6289	1	743	<p> VTLYPCRGVLGNLLIGASGNASGCKIGPSILNSDLANLGAECLE MLDGADYLHLVDMDGHFVFNITFGHPVVSLEKQLGQDPFFDM EMVSKPEQNVKPMVAGANQYTFHLEATENPGALIKDIRNGM KVGLAIRPGTSVEYLAPWANQIDMALVMTVEPGFGQKPMEDM PKVHMLRTQPPSLDI EVDGGVGPDTVHKCAEAGANNIVSGSAIN RSEDPFRSVINLLRNVCSAAQKRSLEDR </p>
6290	3	1856	<p> TLGRNLLGVYETVAPTACLPRPRLRRRRRRRRRRIIRYTRKA VPQSLSEKGITKHALNHPPPKLEBISPTSDSHEKDTSSQSKS DITRESSPTSADTGNLSAFPSTTGAGISTEGSSDFSWGYGELD QNATEKVQNTPTAIDELLYEQKLSVHTKSLQSECCQWTASFHL RILGRQIITPSEGYRLYPRSPSAVSASYETTLQERDSTIPGIR GKGLHFSSVAHKASSIAKSSSPCSMERDEEDSIIVSEGIIEEY LAFDHIDIEBOPHCKKSRATREKQKLYPPIAFVYCMKRDVLAV VFDVSVCKVSCMEQLTRSHNEGFASDDENVAVTRPDSSESCV LSEKHLPLVLPEVQSKVLYITSTPMSCQASBHQPNVNDLLVHG MFLQPRNLSIMDKLLDLDKLLMRPGSSTLSTRNPRBAVEFS TSSLSYTVQSTRRRNPPTLHPISTSECAETPRSVETILCA RVFVAPDSLSFSPPTPLSRHLLFPITGAEVENVSTVGPORQMK PHEDSSRAQSAVVDEPNYQQPQERILLPDEFFPRPHITQSFLIDT QYRRSCAVEYFHQARPGRGSAGPOLHGSKTSQSGGEPUSRTROG P </p>
6291	1732	602	<p> LVAKMASSASARTPAGKRVINQERLRRLMKRQRSTSEKRIES PFAKYNRLQQLSCALCNTPVKSHLLQTHVLGQHRERKVAELKG AKBASQGSSEASSAPQSVKRAPDADDQVKAATLVPCVQVST SAWTINFDKIGKEFIRATPSKPSGLSLLPOYEDERKEEKEEGD GERKRGDASKPLSDAQGEKHSVSSSEVTSSVLPNDFFSTNPPK APIIPHSGSIEKAIHEKVVERRENTAEALPEGFFDDPEVDARV RKVDAPKQMDKEWDEPOKAMQVNTISEAIVAKDEDEGRLDRO IGEIDEQIECYRVEKLRNRQDEIRNKLKRLTIKELQKKEEN ADSDDDEGLQDILLSDMRVREGALL </p>
6292	1835	1142	<p> TPCGAMKMWAPWTRFYSSNSCLCCHVKTGTILLGVNYLIINAVV LLILLALADPDQYNFSSSELGGDFEFMDANHCIAIAISLLMI LICAMATYGAKQRAANIIPFFCYQLFDALNMLVAITVLIYPN SIQEIYIQLPFPNPRDDVMSVNPTCLVLILLFISITLTPKGY LISCWNCTRYINGNSDVLVVTSTNDTIVLLPPYDDATVNGA AKKPPPPYVSA </p>
6293	2382	1035	<p> FWCTLGTVDPHPIGWCAINSKILVPPRTIHAKFTDWKGYLMKRL VGSRTLVDVPHKMWESMKYFPQGMRLVVDKSVQVSRTRMAVV DTVIGGRLRLLYEDGSDDDFWCHMNSPLTHPVGWSSRVGHGK </p>

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			MSERESDMAHHTPTFRKIYCDVFFLFRKVRVAVYTEGGNFRBGMK LEAIDPLNLGNCVATVCKVLLDGYLMICVDGGPSTDGLDNFCY HASSHAIFPATFCQKNDIELTPPKGYRAQTFNWEYLAETESKA APSRLFNMDCPNMGFEVGMKLEAVDLMRPLICVATVKRVVRL LSIHFDCWDSBYDQWVDCSPDIYFVGVNCHLTGYQLQPPVAARP ATPLKAKEATKKKKQFGKKRKRIPPTKTRPLRQSKKPLLEDD PQARKISSEPVPGETIAVRVKRRLDVASPDKASSPELVSVE WIKQSTDD
6294	354	1814	AQLTTRGRTVAGGVWVIPSPPFDLELYSCCLGTDRGFFELSHHC KNVIATASDYDMABITNIRPSFDVSVVAGLIGASVLVVCVSVT VFVWSCCHQQAERKKHNPFFKFIHMLRGISITYPETLSNKKHIIK VRRDKDGPCEGGRRNLLVDAABAGLLSRDNDPRGPSGSCIDQ LPIKMDYGEELRSPITSLTPGESKTTSPSSPEEDVNLGSLTFSV DYNPFKALVVTIQEAGHLPVMDQQTGSDPYIKMTILPDKHR VTRVLRKTLDPVDETFYFYGIPYSQLODLVHFLVLSDFRFS RDDVIGVVMVPLAGVDPSTGKVLTRDIKRNTOXCLSRGELQV SLSYQFVAQRMTVVVKARHLQMDIAGLSGNPYVKVNVYGRK RIACKKTHVKRCTLNPIFNESPIYDIPTDLLPDLISIEFLVIDFD RTTKNEVVGRILICARSVTASGAKHREVCSPKPKVAKWBSLS BY
6295	2795	617	VSSALLTGATSGSDAAKSEGSASPLSCTNAVAMDRPDEGPPAK TRRLSSSSSPQRDPFFFFFFFLRLPLPPQQRRLQRETEAA QVLADMGRVGLGFPALPPPPPTVILEEGGIRAYFTLGARCPGWDS TIESGYGRAPPPTESLEALPTFRASGGSLBIDPQVUQSSSPGGE GALETCSAVGWAPQRLVDPKSEKRAIIVDEDEDERESMRSSR RRRRRRRRKQKVKRRESHERNARMESILQALDIOQLDEAVNI KAGKAPLRLKRPQMRPPLERRDLIIQHIFGVVKAFLNHRP ISILINRRDEDIPRYLNLQVQDLRHISMGYKMLYFOTNYPYPT NMVIVKRFQNRSGRLVSHSTPIRWHRGQEPQARRREGNODASHS PFSWFSRHSLEPRADRIABIKNDLWVNPFLYYLREGRSRIERK QEMKRRKTRGRCEVVMEDADPYVAVEDIPSEISDIDETIHDIX ISDPMETTUYPETTDNEITDINENICDSRNPDENEVENNETDN NESADDEHTTNNESADDNENPDEMNKNTDNEENPNMNTTY GNFFKCGFWCSHCNNQSSDSNDEADEASDDRDNDQNEQDNBS SDDGNEGDNEGSDDDDRDIEYKVEDPDKDQADYEDVIEII SDSEVEREGIEBQIQQDQDIYBEGNYEREGSKDVWEEGDSDDS DLEDVLQVPMGNWPNPGRKGTG
6296	727	1199	RHCGCDAQGACDSLPTGTSSPVITARNAIPEARCCVNLIDGTTV EAVRPARERLARKKLQKRMQPSRDSAYSSNKDSTCLLTERDT LGTSLOPPSPFGTISFGSPSDSGIFPLGSQCCLGPPQPSISGK KVALIHRVRLSVFGARWRRIYPOK
6297	1	922	QRAAASPSGCGPEGAEGYQALMAEGYWRPLALLGSALLVGLS VIFALVNLVHYRGLGNDGSALEFNWHPVLMVTVGVFIQGLAI VYRLPWTWCKSLMKSIHAGLNVAAILAISVVAVPENHVN NIANMYSLSHNVGLLAVICYLLQLSGFSVFLLPWAPLSLRAFL MPIHVYSGIVIFGTVIALALMGLTEKLIPLSRDPAYSTFPPEGV PVNTLGLLLIVFGALIPNIVTRPQWRKPEPNSTILEPNNGTEQ GARGSMPAYSGNNMDKSDSELNNEVAARKRNLADEAGQRSTN
6298	3	985	SVPLRLSLSGTLQAGTTTKMAVARLAAVAANVPCRSNGWAARV PFGPHRGLSVLLARIPORAFRLPACRQRTSLSLNRPDLNLA YKILKGESPGIIFIPGYLSYNGTKALAIIEFCKSLGHACTRFD YSGVGSDDGNSBESTLGRKRDVLSIIDDLADGPQILVGSISLG WMLHAAIAAPKVVALLIGVATAADTLVTFPNQLPVLEKQVEM KGVMSMPSKYSEGVYVNVQYSFIKEABHCHLHSPIPVNCPIRL LEGMKDDIVPHTSMQVADRVLSTQDVILRRKHSRMRREKADI QLLVYTIIDLDIKLSTIVN

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6299	512	814	ECDEGIMPVVTISLSLPTNGSPLODILVHPCVTSLSAAILTSS SIDAMDCSAPSGPYKPTPTPLSPNLCTTSQVPPVPILGFIQ MKKEBVQLRHH
6300	121	692	AAPSCNSQGVPAAGTSSPRLLVSRRAAPSGPWGAWEQGARA AQSPFSIPNSSSVPGSQDSVHSSPEDGGGORDRPVGGSPGGFR LVIGSLPAHLSPPMFGGFKCPVCSKPVSSDEMIDHLVMCLTKPR ITYHEDVLSKADAGECAICLRELQGGDTIARLPCLCTYHGCIDE WFEVNRSCPEHPSD
6301	616	284	GKFPVFNWEPQPLFPFKYLECYRCLLEYKRLGCLIGSDYCLTP AGSSCITLHKKNSSGSDVMVSDCRSKQMSDCSNTRTSFVSGFW IFSQYCFLDPCNDPQNRGLYTP
6302	490	745	IPGLHLFPMHESFLNVCALFAHVFPSSSCGSSVLESDFCLLS PVLNCLFPGDLRPLDLRYAQLRYALSELDEALNDMTSL
6303	2	1961	YKNEYGGGLLQSWQKHPGQALSSSEPNFPDTRKWBQHSOL XNYLLEQFYWEAGQWTFDASQSCDITDTTSRTADDKDEKCM KVDLVSLSSPIMGINDSSGTSKDHSEKLDGINSIKLNSSEVT QSQLDSCSTSHDGHQQLSEVSSREKCPASQSEPRNGGTNEESNS SGNTNTDPPAEDSQSSGANTSKDRPHASGTDODESEKDPPEHK PSKLRSHELDIDENPASDPDSSGSLGPKYSGGQKYGIPNFS HRQVRYLEKRVILSKYLDNRQIRKMKRHIPTKESKPPFKK SKILSKVEKFLTNVKNKMDKASQSSSHDGHDASTSCDSERQ DMSVKKGLDLENTNPEPEKCSQSVSSAGLENTYKRSLLATV PDEODCVTQEVDSRQAEAEVKKKKKKKKKKVNGLPBPIAA VPELAKYNAQRYRLPSEFDDGKILDEGNFVSVPTEKIAEHIAGR VSQSPKCDVVDAFCGVGGNTIQFALTGMVIAIDIDPVKIALA RNNAEVYGIADKIEFTCGDFLLASPLKADVFLGPPHGGPDYA TARTFDRTMSPDGFIFRLSKKITNNIVYVLPNNADIDQVAS LAGPGQGVETBQNFLENNKLTITAYFGDLIRRPASET
6304	1	1438	HRARVDRSRESFGGDLKHPGRVRRDITLSQHPRLSTQHVLLRE DEVGDPGTDLGHPQHGSPIQETQSEVVTLVSLPGSDMAALPA WRATSGLTLPHTAEGRDLLGAENRALTGGQAEPTLASGAYQ WPGSVKLGQSVWCDAETLSSSKTGGQAPFWLTDHVMRLLL AQGEVVDKARVPAHQVQLQVGFSTRALQDLSSPRLSQCSCGL CGLIKRPGDLBPVLSPHVDRVLGLRSLPAVARRPHSPLLPTRY TDGARPVTHWAFDVQHLSDPDEDQNSLALGNLQYQALLHSCN HFGQAPCPGTHHTWARLALFDPLQVHDLRLRYCCGFEPSPSD PCVEERILREKCRNPABLRVHILVRSSDPHLVYIDNAGNLQHP EDKLNFRLLLEGIDGFPESAVKVLASGLQMLLKSLOMDPVFWE SQGAQCLKQVQLTLEQRQVLLGHIQKHNLTLPDEDP
6305	99	420	NMIWGRSTYRPPRESVFPFELIGFMLEPGDEEPQREPPTEB RDPAPQGERREDQGAETQVPDLADLQRLSQSKTGDECGDGPD VQCKILTSEBQPMPEGR
6306	1	1874	PTRPSPVKVPHTFLHSYTRPTVCDACKLLKGLPQGLQCKDC KFNCHRCATRVFNDCLGRALINGDVPMKEATDPSRADKSALMD ESDSGVI PGSHSENALHASKEEGEGGKAQSSLYIPLMRVVQ SVRHTTRKSSSTLRECNVHYSEKDTLRKHRYWRLDCKCITLPQ RNTNRYIYKEIPLSEILTVEAQNPVSLVPPGTNPHCFRIVTANA TYPVGMPCGTPGGSPGQGAERARGNETAIRQALMPVTLQDAPS APGHAPHQASLSISVNSQIQENVDIATVTYQIFDEVLGSGQF GVVYGGKHKRTGRDVAVKVIDELRPFTKQESQLRNEVAILQSLR HPGIVNLECMFTPEKVFVVMKLEHGMLEMLSSSEKRLPERL TKPLITOLVALRHLFPKNIHCDLEPENVLLASADPPQVKLC DFGPARIIGKSFRESVVGCTPAYLAPEVLLSQGYNRSLOMNSVG VIMYVLSLGTFFPNKDEDINDQIQNAAPMYPASPWHISAGAIID LINLLQVEMRRKYVSDKSLSHPLQRYQTWLDLRELEGRMGER YITHESDDARWEPAAEHLPGSGLPDTRDLGACPPQDHMQG

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6307	2136	589	LAERTSVL CFLPRGRDPPEPPFAGAAAPCAPGAPDMSFRKVVQRQSKPEHVFG QPVKNDQCYEDIRVSRVTWDSITFCVNPFLAVIVEASGGGAPL VLFLSKTGRIDKAYPTVCGHTGFVLDIDWCPHNDVLIASGSDC TVMVWQIPENGLTSPLTEPVVLEGETKRVGI IAHPTARNVLL SAGCDNVVLINWVTABEELYRLDSLHPDLITVSWNHNGSLFCS ACEDKSURIIDPRGTLVAEREKAEHGAHPHRAI FLADGKVFTT GFSEMSERQALWDPENLEEFMALQELDSSSGALLPFYDPTSV VYVCGEGDSSIRYFEITEEPPTIHPLNTPTSKEPQMGMSMPKR GLEVSRCBIARFYKLHKKCEPIVMTVPRKSDLPODLYPDTAG PEAALEAEWVSGRDADPILISLEAYVPSKQDLKISERNVLS DSRPAMAPGSSHIGAPASTTTAADAATPSGLARAGEAGKLEVM QELRALALVKEQGQRI CRLEQQLORMENGA
6308	2	1118	GRPTRPKMILLVLTHTSMRYLLPSVVLIGTAPTYVLAWGVWR LLSAPLPAFPTQALDRLCYVQSMVLFPPNTTGVQILLYGD PKNENIYLANHQTVDNIADILALHNAIGHVRYVLKEGLK WLPYLYGWFYAGGGIYVRSARFNEKEMRNKLQSYVDAGTPMYL VLPFECTRYNPEOTKVLASASQAFAPQGLAVLKHVLTFRKATH VAFDCKWYLDATYDVTVVYEGKDDGGQRRSPMTTEPLCKECP KDHLDRIKIDKDVPEEGEDMRHLEHPRFKDKKCLTFYESPD PERREKFPKGSVNSKLSIKKTLPSMLILSGILZAGMLMTDAGRKL VVTWITYGTLGCLNVTIKA
6309	220	563	LVAVKPEPCSLPMLSDMENKENGSGVGVKNSMENGRPPDPADWA VMDVVNYFRTVGFEEQASAFQEQEIDGKSLLLMTENDVLTGLQL KLGPALKIYRTHVKPLQTKHLKNS
6310	36	979	GPRCWLFLTLSSVNCETLRIGKAWPQSSGQRYWTPRTHSSASE AQRGSLASLNVAAAGLWADCDQPLYDCPMGLICTNYHLLQEHV DLHLENSPQGMDRVQCSDILQLAHQEQEEDRKRSSESRQE IEEPQKLQRQGLDNGSGYEQQLRNMBIEVNRGRMPSPFHR KADMMESLALOPDDGKTCTSGIIEALHRYQNAATDVRVWLS VVDHFBSSLGDKGCGYRNFMQLSSLLQNDAYNDICRGLIP CIPRIQSMIRDAWKEGDPQASQLIIRLQGTGAWIGACEVYLL LTSLV
6311	1	675	PVWNNSCEGPRLAAAARTGHGVGRARLACLGEPVKAAMVLT ASKLRDDGLKGSRTAATASDSTRVSVRDLVKBVARLEANL PCTCKVHPDPFNKLECPQLITVTPDEGYTQGGKFPQFETEVPDAY MVPPKVECLTKIMHFNITETGBCILSLRHSIDGTGNAPRTL KDVVWGLNSLFTDLLNFDPLNIEAASHLRDKEDFRNKVDDYI KRYAR
6312	213	1400	GDELVKREAGMMLPGVGVPTGSSARVLVPLLEAGSPTVEALW GKTEERARQLAKRMNTAFYTSRTDILLRQDVLDVCSIPPPLT RQISVKALGIGKRVVCEKAATSVDAFMVTASRYYPQLMSLVGN VLRPLPAPVRMRQLISEHYVQAVMICDARIYSGSLSPSYGNI DELGGGGLHTMGTYIVDLLTHLTGRRRAKVGHLKTFVRQNA IRGIRHVTSDDFCFQMLGGGVCSVTLEFNMFGAFVHEVMV GSAGRLVARGADLYGQNSATQEKLLRDSLAVGAGLPEQGPQD VPLLKGMVYVQALRQSPQCGDRRTMDRTFVSMAASFEDCL YMQSVVDALIKRSSRSGEWEAVEVLTREPTDNQNLCEALQRNLL
6313	2	2071	QRSGAARLAFLPSPSPACVHRSPLSFEHCWFFVVFVFMPLGLV FHRRAHGCTLSCSSPVEQPTAMBAETMECLQSFEHHTMILD RLNEQRQDRFTDITLIVDGHFFKAHKAVALACSFFYKPFQEF TQEPLVBIEGVSKMAFPHLIEFTYTAKLMIQGEERANDVWKA FLQMLEAIKALEVRNKENSAPLENTIGKNEAKKICIAETSNVI TSLPSAESRPVEIEVLAEGTIEVDEGTETLEEVASAKQSVK YIQSTGSSDDSAALADITSKYRQGRKGQIKEDGCPSPDPTSK QVBGIEIVBLQLSHVKDLFHCERKNSFKLPYHFKHMKSHSTE

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			SPKCEICNRYLRESAWKQHLCNCHLEGGVSKKQRTGKKIHVC QYCEKQDFPHGFHKEHLRKHRTGKPKFCPCNCHERFARNSTLKCH LTACQGTGGAAGKGRKLYECQVCNSVFNWDQFKDHLVIBTGDK PNHCTICDLNFMQGNELRRHLSDAENISERLVTREVLVSVEVRVQ TEPVTSMTIIEQVGVKHVPLPQLQVQVDSAQVTVBQVHFDLLQDS QVHDSHMSRLPEQVQVSYLEVGRIQTEBTEVHVHELVHVRVNO MPVEVQTELLRADLDHVTPEIMNQEBRESSQADAAEAAREDDHD AEDLETKPTVDSEAKAENEDRTALPVLE
6314	2	2071	QRSGAARLAFILFSPFSPACVHRSPILSPHCNWFYFVVVFMPGLVL FHRRAHGCITLSCSSFVEQPTAMBAETNRCLQEPFPHHRKMLD RLNBQREQDRPTDITLIVDGHFKAHKAVALAACSKFPYKFPQSF TQBPVLVIEGVSKMAFPHLIEFTYITAKLMIQGEEZANDVWKAEL PLQMLEALELEVRNENKSAPLRENTTGNKAKKRIKLAARTSNVI TBSLPASRSETPVEIEVSLAEGTIEVEDEGLETLEEVASAKQSVK YTGQSGSSDDASALALLADITSKYRQGDRAKQIKEDGCPSPDPTSK QVQGIKIVELQLSHVKOLFHCRCNRSFKLPYHFKHMKESHSTB SPKCEICNRYLRESAWKQHLCNCHLEGGVSKKQRTGKGIHVC QYCEKQDFPHGFHKEHLRKHRTGKPKFCPCNCHERFARNSTLKCH LTACQGTGGAAGKGRKLYECQVCNSVFNWDQFKDHLVIBTGDK PNHCTICDLNFMQGNELRRHLSDAENISERLVTREVLVSVEVRVQ TEPVTSMTIIEQVGVKHVPLPQLQVQVDSAQVTVBQVHFDLLQDS QVHDSHMSRLPEQVQVSYLEVGRIQTEBTEVHVHELVHVRVNO MPVEVQTELLRADLDHVTPEIMNQEBRESSQADAAEAAREDDHD AEDLETKPTVDSEAKAENEDRTALPVLE
6315	1	1015	LGIAVNVVLTFLVLSYCYPTATEAPYWTYLLCALGLFTYQSLDA IDGQARRTNSCSPILGELFDHGCDSLSTVFMAGVASTAARLGT YPDWFFSCSPIGMFVYCAENQTVSGMLRPGKVDVBTQIALVIL VVPLSAFGQATMDWYTIPILEIKLEKLPVLQFLQGVIFSCSNYP HVILBGGVGKRGSTIAGTSVLSPGLHIGLIILLALIMTYKKSATD VFEKRPCLYILMPGCVFAKVSQKLWARMTKSELYIQDTVFICP GLLLFDQYFNHIDEYVVLNMAWISSVDMVITYPSALCLISRH LHLNI FKTACHQAPQVQVLSKSHQNNMD
6316	1503	792	VSAAGSTGTMGTTSTRRTVTPEADENENTTVVKYRLSENVIDR MKSSSPSKSQKQYSGAYGASVDEELKRRVARELALBQAKES EDQKRLKQAKELDRERAAANQOLTRAILRERICSEBERAKAKHL ARQLEEKDRVLEKQDAFYKEQLARLEKRSSEFYRVTTBQYQKAA BEVEAKFKRYBSPHCADLQAKILOCYRENTHTLKCSALATQY MHCVNHAQOSMLEKGG
6317	102	839	PEAQTSAVLABREHGLPTNRHEAPMQASQDARYGQKSSDQN PDYMFKLILIGNSSVGRKTSFLFRYADDSFTSAFVSTIGDIPKVK TVFKNEKRIKLQINDTAGQERYRTITTAATYRGANQFILMYDITN BESFNADVQDNTQIKTYSMDNAQVILVGNKCMDEDERVISTERG QHLGBQLGFBEFETSADKNINVRQTFERLVDIICOMSESLETD PAITTAARQNTRLKSTPPPPQFNAC
6318	1765	733	PNHPLRTPLHHPHPRPPRABREGADSMHPLGLELRERAPPL LGFLLSPPLPAGSWHQMRSLRFPITNSAGAPCKAAGRNI LAPVRRDRVLAEPLQCLRKRAALHGHKDFHPRVTCACQEHRTGT VGFRLSKVIVVGDLSVGRITCLIRPKDTPDKNYKATIGVDPEM ERPEVLGIPFSLQLMDTAGQERFKCLASTYTYRGAQAIIVFNLN DVASLEHTKQMLADALKENDPSSVLLFLVGSKKDLSTPAQYALM EKDALQVQAEKAYWAVSSLTGENVRBFFFRVAALTPEANVLA KLEKSGARRIGDVVRINSDDSNLYLTASKKPTCCP
6319	88	717	AATMRINQNTLLGKCVLVVPTTSEHVPSRYHEWMKSEELQRLT ASEPLTLBQEVANQCSWQEDADRCTFTVLDAEKWQAQPGATEBS CHVGDVNLFLTDLEDLTIGEIVMIAEPSCRGKGLGTRAVLAML SYGVITLGLTKFEAKIGOGNEPSPRMFQKLHPPEQVATSSVPQSV

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6320	90	1111	TLRLTVSESEHQMLLEQTSHEEKPVRDGSABPC RPRTRGRBKVMAAVDSFYLLYRIIARSCNCEALALVGAWYTA RKSITVICDPYSLIRLHPTIRLGSRADLIHQYGRWAVVSGATDG IGKAYABELASRGLNIIILYSENEELQVWARDIADTYKVETDII VADPSSGRRIYLPYRRAIKRDKDVGILVNHVGVVYPYPTQLS EDKLDIINVNIAAASLMVHVLPGMVERKGAIVTISGSCCK PTPQLAAPSASKAYLDEFSRALQYETASRGIFVQSLIPFYVATS MTAPSNFLHRCNWLVPSPKYAHEAVSTLGISKRITGYNSHSIQ FLPAQYMPENLWVGANILARSLKEALSCTA
6321	1418	341	HRKAALGALMAGRLILGKALAAVSLALASVTIRSSRCRGYQAF RNSPSSSWPHLNTNVMSCNGSEKNSHNEARTSPYPSKVERSQ VPNEKVGMLVENQDYKPYETAVSVLAGPRNADPQISESNFSEK FNEKDGHEVERKSRNGLYEIENGPRHFAGRGTGLVGRGLLRNGP NHAADPIITENKRDSSGKIMHPVSGKHILQFVAIKRDKCGEWA IPGMVDPGEKISATLEREFGERALNSLOKTSARKRIIEKILHK LFSQDLVIYKGYVODPRNTBAMMETRAVNYEDTGETMDNLM LEAGDDAGVKWVDINDKLKYASHSQFIKLVAEKRAHNSKDS RADCHAL
6322	2047	1083	NQRIILKNVESSRTVQPHFLEPLISLGSVDVGRHPCWGTGHVST NSINCCDDGEGSQBEVITSEEDIGASIFNGQKVLVYADALTEI AFVVPSPVESLTDLSNLSQDSQDSNDMLMPGILKOPSLTLEL FPNHTDNLSSQRLSPSSRMRLPQGRFVPLGPETRVSVVWE RYDDIENFPLSLMTIETSTGVRTTANSSTSLRSTTLEKEVPVIF IHPINTGLPRIKIQGATGKFMVPLVDGMIVSRRALGFLVRQT VINICRRKRLSDSYSPPHVRRKQKITDIVNKYRNKQLEPEPYT SLPQEVGLKNCSS
6323	1	656	PASTTDAQEARVFLDQAFNIPRPPAGSPKGCFAVSKPPALQA PAAPAPEPSASPPMAPTLFPMESKSKTDSVRAAGAPPACKILA BKIMTINPTTVIEVYPTDTEVNDYILMSIFNFVYLNFCCLGFTA LAYSLEVRDKELLDNLNGAVEDAKTDLINITRSLAASCIMLN MALSIVLATHRGLRSSASILVAREPHDWTTERPQVTPRRCPAL EGAGMRRCPCRGSLNRAEAGALPAARMGLEAPRGERRRQPGQ RPGPGAGAPAGRPEGGGFWARTEGSSLSHSEPERAGLGPAGTES PQARPNWTDGQTRPAAAGLVETERPKQTEPDRESSLRITLESWN SELGTTCLWTEGTGDLWTDPHRSDLQFPKASPTQPGVHGP WTELETHGSGTQPERVKSRADNLWTHQNSSSLQTHPEGACPSK PSADGSWKELYTDSRTQQIEGPWTEPYTDCSQKQDTEAARK QPGTGGFQIQDQDTSWTQPSDGSQTAPGTDCLLGEPEGDPLR EDPEGELLTHLYSHLRCSPICPVPLIITPETRPEAQFVGPPS RVEGGSGGPSASSPDESEDDVWAGCGGASDPEDRSGSKPWKLL KTVLKYSPPVVSFRKHYPNVQLSGHAGNFOAGEDGRILKRPQC BQSLBQLMDPLRPFPVAYYGMVLQDQTFNQMEDLLADPEGP SIMDCMSSRTYLERELVKARERPRKMDYBIMVAVDPGAPT EKHAQGAIVKPRYMQNRBTNSSTSLGRIEIGIKKADGTCTNF KKTQALEQVTKVLEDFVDGDHVTIQKYVACILKELREALISPPF KTHEVVGSSLLPVHDHTGLAKVMDPGETVALPDHQTLSHRLP NAEGNREDGYLMGLDNMICLQLAQ
6324	1	2061	EGAGMRRCPCRGSLNRAEAGALPAARMGLEAPRGERRRQPGQ RPGPGAGAPAGRPEGGGFWARTEGSSLSHSEPERAGLGPAGTES PQARPNWTDGQTRPAAAGLVETERPKQTEPDRESSLRITLESWN SELGTTCLWTEGTGDLWTDPHRSDLQFPKASPTQPGVHGP WTELETHGSGTQPERVKSRADNLWTHQNSSSLQTHPEGACPSK PSADGSWKELYTDSRTQQIEGPWTEPYTDCSQKQDTEAARK QPGTGGFQIQDQDTSWTQPSDGSQTAPGTDCLLGEPEGDPLR EDPEGELLTHLYSHLRCSPICPVPLIITPETRPEAQFVGPPS RVEGGSGGPSASSPDESEDDVWAGCGGASDPEDRSGSKPWKLL KTVLKYSPPVVSFRKHYPNVQLSGHAGNFOAGEDGRILKRPQC BQSLBQLMDPLRPFPVAYYGMVLQDQTFNQMEDLLADPEGP SIMDCMSSRTYLERELVKARERPRKMDYBIMVAVDPGAPT EKHAQGAIVKPRYMQNRBTNSSTSLGRIEIGIKKADGTCTNF KKTQALEQVTKVLEDFVDGDHVTIQKYVACILKELREALISPPF KTHEVVGSSLLPVHDHTGLAKVMDPGETVALPDHQTLSHRLP NAEGNREDGYLMGLDNMICLQLAQ
6325	165	944	GLRDPFRKRRLKPOVKMSNTVMDMWPSPQEKDSPSTSRSGGS SRLSSRSRSEPSRSRSESVSSSRFSSRSRSESRSSRRHQ RKYRYSRYSRSESRSESRSESRSESRSESRSESRSESRSESR RSRSESRSESRSESRSESRSESRSESRSESRSESRSESRSESR TRSRSTPFLSEKDRMELLEIAKTAARALGTTNIDLPASLRT VPSAKETSRGIGVSSNGAKPEVSIILGLSEONFQKANCQI
6326	238	680	GEPSPATQKPSATGAGVLHQHPSGHIYVLMGLLPPWTISPT VOTTLQPPGGLPAAPVSGRMAPEPVGRDILARMVPRAGKRTQTL GARFVAAQGARPLPEDRRPKSGERLHVIVAPCHFEVLPVSVSLTA

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6327	1	1337	QAMGGVGQRASSGVF SLARLAPAGCSVVMPTQQPAPSTRAPKPSRSLSGSLCALFSDA DSGSGNKARLPFGPGAVGREMTKREKIQLEKKKQKKKKREK GAEPTGSAVSAACQCGPTRELPSGIQLGTPREKVPAGRSKAE LRAERRAKQBAERALKQARKGEGGPPPKASPSTAGETPSGVAR LPSYPPQVDDLLRLVKKPERQQVPTKDTGSEKVSLSFSLPQYS RQNSLTQFMSIPSSVTHPAMVRLGLQYSQGLVRSSEARCTALLR ALQOVIOQYTTTPNEKLSRDLVNLKLPYNSFLTQCRPLSASHN AIKPLNKRTTSVGSSEKREKSELRRAIDRYVQKKIVLAAQAI SRFAYQKISNGDVLVYGCSLSVSRILQEAWTEGRRFRVVVDS RPNLEGRHTLRSLVHAGVPASYLLIPAASVLEFVSTEEKDSKV GGEKV
6328	1030	276	HASARVTTAARGLOAMEHEMTDAKIRAENGTSPPGPGCSL RHFACBQHLRSRPGSASFLQDTSVLAVGTGPAEVKVEKPIPH KATLEVILRPKICLPGVAERSEERLIRNTCEAVVLGLTHPRTSI TVVLQVVEDAGSLIACCLNAAQALVDAGVPMRALPGVACALD SDGTLVLDPTSKQEKARAVLTLPALDSVERKLMSSTKGLYSDT ELQQCLAAQAASQHVFRPYRESLQRRYSKS
6329	3	2016	SEKVAAGGOTRSAMAGSGGVTVSATGAANGINAGGTSATT SNPLSRKLKIKLETRLDNDKENLEALKALSTFFVENSIRTRNL RGDIERRSLAINREFFVSIPKEVKEELESISEQVQAMSECCDMT SRLOAAKEQTQDLIVRTTCLQSRQKLETRAQVADAPLSKPOLT SDMSLLRGTRGPIITEDFFKALGRVKQIHNDVAVLLRTNQTA GLEIMEQMALLOETAYERLYRNAQSECRILTQSCDVSPLTOA MEALQDRFVLKYTLDEFGTARRSTVVRGFDALTTEGGPGGTFR PIEMHSHDPLRYVGDMLAWHQATASEKEHLEALLKHVTTQGV ENIQEVVGHITGVCRLKVRIRQVTVARPGAVLLYKISNLLKF YHHTISGIVGNSATALLTIRRHLLSKKIFPNSLSLHASKLMD KVELPPPDLOPSSALNQTLMLREVLASHDSSVPLDARQADFV QVLSCLVDPLLOMCTVSASNLGTADMATPHVNSLYMNETLALF BFTDRLEMLQFOIRAHLOTLINEQASYVLTUVGLSYIYNTVQQ HKPEQGSLSAMPNLDSTVLKAMVQPDYLSAPDNLIPQNLVFL LSATVKEQIVKQSTELVCRATGEVYAAVMNPINEYKDPNLLHR SPQQVQTLLS
6330	1151	333	FFYITTFYENKTFSRKHAERETLSLNKCPDMKPKRTKLLAQPL PVEQPHSLVSEGFVTKAMKNSVVRGPPAAGAFKRRPTKPTAFR KPYERGDFPIALEHDSKGNKIAWKEIKKLDYHLYPLFPDGLC EMTFPYEFPARQGIHDMLEHGGNKILPVLPLQIIPIDNALMLRN RQVICVTLKVLQHLVVSABMVGEALVPYRQILPVLATIFNMNV NSGDGIDYSQQKRENGIDLIQETLEAFERYGGRNAPINIYVVP TYESCLLN
6331	3	495	QGGQVRTRTGRBRACASATPLEGCVDLSPYRTHAALLKVAQMVT LLAFICVRESSLWYNISAYSFEVVTICDLIMILAFYLVHLFRFY RVLTCISWPLSELHYLIGTLLLLIASIVAASKSYNQSGLVAGA IPGPMATELCNASIWLSTKISCVTQSTDAV
6332	1	878	VTESNKFDLVSPFIPLLRERIYSNNQYARQPIISWILVLESVPDY NLLDYLPEILDGLPQILGDNGEIRKMCVVLEFLKBIKKNPS SVKFAEMANILVHCQTDDLIQLTAMCMREPIQLAGRVMLPY SSGILTAVLPCLAYDDRKSIRKVANVCNQSLMKLVTPEDDEL ELRPGQQAEPPTDDALPQEGTASGEWTFSLHLTSCRGPREPD VIGVALGPHLSNQDYPMYVTHITVAATQRSCSGSPFPFCRODTG KLSTMAHSQLVKGTGLEPRQAVSSSH
6333	3	1467	TRTPSEARAGGESPOSQVSAHSQWTAGKPVSLAPLIPPREAG QPLTFPSGRQPLRLSLVGMCSGSRRRSSLSPTMRPOTGAERG GLMMGHFCMHYAPMCMHMGQRANMPVPVHBMPPMPPMGPP MGQMPGMSVMPGMMSHMSQASMQPALPPGVNSMDVRAAGTAS

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			GAESMWTREHSPOGTYTYNTETKQSTWEKPDLLKTPAEQLLSK CPWKZYKSDSGKPYTNSQTKESRWAKPRELEDLEGYONTIVAG SLITXSNLHAMIKARESSKQECTTISTAPVPTTBIPTTMTMA AAEAAAAVVAAAAAANAASASTSVSGTVFVVP EVTSIIVAVVDNENTVTISTEQALSTPAIQDQSVESVNTG EETSQETVADPTPKKEBESQPAKTYTWTKEAKQAPKELL KKEKRVPSNASWEQAMMIINDPRYSALAKLSKQAPNAYKVQT EKK
6334	17	644	GGNPSGRAAGFAAAMPSSPLRVAVVCSNQWRSMAHNLILSKR GFSVRSFGTGTGTVKLGPAPOKPNVYDPTTIDQMYNDLLRKDK ELYTONGILHMLDENRRIKPRPERFQNCRLDPLILTCBERVYD QVVEDLNSREQETCPVHVNVVDIQDNHEBATLGAFILCBLQC IQHTEDMENEIDELQEPREKSGRTPLHTVCY
6335	82	529	AARARPOVLCCRLIGAALQDQSRVMSYTPGQPVTAVVQRVRIH KLKQGENLILGPSIGGGIDQPSQHPFSEDKTDKGIYVTRVSEB GPARIAGLQIGDKIMQVNGWDMINVTHDQARKLTKRSEEVRL LVTRQSLQRAVQQSMLS
6336	1003	438	HEFASKGRARVGMRLSVAAAISHGRVPRNGLGPESEIHLRLN LLTGLVRRERIRAPWARVDEMRYAEKLDVGLGDTNRAMRM ADFWLTKDLIPKLPQVLAPRYKDTGGYTRMLQIPNRSIDRAK MAVIEYKGNCLPFLPREDSHLTLNQLLQGLRQDLRQSQEAS NHSSHTAQTPGI
6337	76	524	SGIQMLSVPQDTKPKGCAGCNRKIKDRYLLKALDKYWHEDCLKC ACCDCLRGVSTLYTKAHLILCRDYLRLPGVTGNCACSKLI PAFEMVMRAKNVYHLCFACQLCQRCQVCGDKPFLKNMILCQ TOYBEGLMKEGYAPQVR
6338	66	1349	APNSESCTGGLPPTANLFWTRRANPDPTTMSATDRMOPKAVP GLRLALLLLGLGTPKSGVQGGQGLDPPFYDGVDRVINNAKRY KNVFKKYEVLLALLYHEPPEDDKASQRPMBELILELAAQVLED KGVGFLVDSEKDAVAKGLGLTEVDSMYVFKEDEVIEYDGEFS ADTIVEFLDLVLEDPVKLIEGERELQAFENIDEIKLIGYFKSK DSEHYKAPFOAAREPHYTPPFATPDSKCAKRLTLKLNEDPYE AFMERPVYIPDKPNSSEBIVNVEEHRSTLRLKLPESMYETNE DDMDGIHIVAPAREADPDGFEPLTKAVAQNTENPDLSIINI DPDDPFLVFPYWEKTFDIDLSAPQIGVVNVTDADRLWMENDEB DLPSARELEDWLEDVLEGEINTEDDDDDDDDD
6339	246	1813	NRCDRGGGGAERQAGGCRTOGAGFGPGFGHSFYSQGANLAPH TFCVLLVFGSVSEAKFDDFEDERDIVEYDNDFAEFEDVNEBS VTESQRVITTEDDEDETVELEGQDENQEGDFRADTOEGDTE SEPYDDEEPEGYEDKPTSSSKNDPITIVDVPALQNSWESY LETLNVTGLLAYIMNYITGKNKNSHLQAWFNTHRELLESNFTL VGDDGTNKEATSTGLKNQENKHYNLWCSSGVCCBGLIQLBPL KRQDLNLVLAARQFPVSDQVQIRVTMDEDMOTYVFAVGTAKAL VRLQKEMQDLSEPCSDKPKSGAKYGLPDSLAILSEMGEVTDGMH DTKMWFLTHYADKIESVHFSDDQSGPKIMDESGQPLKLPDTR TLALLTFNVPGSGNTYPRDMEALLPLMNMTIYSIDKAKEFLERE GKQKADKNRARVEENPLKITHVQREAAQSBBREKIRAKKRIIM NEEDPEEQRLLEAALRREQKLEKQMMQILKVEAM
6340	2	583	EACHTLSCPAFARLGRARRPMSHRTSSTFRERSFSSSSS SSSSTSSASRALPAQDPMEKALSMPSDD?GSPMRPHSEPLAF PARPGAGNITLGDAYEFAVDVRDPSPEDIIVTTSNNHIEVRA EKLAADGTVMNFAHCKQLPEDVDPTSVTSALREDGSLTIRARR HPHTKHVQTFRTBIKI
6341	2	645	KMAVLSAPGLRGPRLGLRSSVGPVQARGVHQSVATDGPSSSTQ PALPKARAVAPKPSRGGHYVAKLDDLVMNARRSSLNPMITFLA CCAVERMMMAAFRYMDRFGVVPASPRQSDVMIVAGTLNKA

[illegible]

WO 01/53312

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6346	2921	533	<p>VILKWKFAFLPFGSGITTEDLGNFIRSEPEVVRORLEPASSVET LVLAAPRPRQRRLTPVDKKVSPVDIMPHQSDVSGQSGVDEVEEN TEKMQQGGKDDVSLSEGQAEQSLASSEDETRITDLEPEVEED MSASDSDDCIIGPISKRTIKQPSKIRIKI DALSLNDSQVTWDD TIQRLFVECRPYELPABETPVSLPKPKSGQWVYNYENVTYVDR ENMKAKRDILKAILQKQEMPFRSLRPTVSDPPEDBQDLBCDI GVAHVDLADMFQEGRDLEQNIDVPDARADGEGICGLRVTVEAL HALQSVYKQYRDDLEA</p> <p>QDRRLRLRLQKTCQPTSTMSGSHTPACGPFSAITPSPINQETL AKYTKKESAEQPEFYTDGFGPRVYKEEGDEPGSSILLANSPLME DAPQRLRQAHLEFTHNDVGLTWDLKIVSLPSEKRLASLVLA GIPHEMRPQLMRLSGALQKRRNSLSYRIVKSSNDETIAAK QIEKDLRTMPSNACFASMGISGVPRRLRVLALANLYPRTGYC QGTGVAACLLIFLEEDAPWMSAIIEDLLPASYPSTTLIGVQ TDQRLVRLHIVQLPRLDKLLQEHDLRLSLITLWFLITAFASV DIKLLRLIWDLPFYEGSRVLPOLTLGMLHLKKEELIQSENSASI PNTALTPPTPLVGLYELWQELTPDYSMSHQDHENTYVACSRSH RRRAKALLDFERHDDDELGFRENDIITIVSQDEHCWVGLNGL RGWFPKPFVEVLDERSKEYS IAGDSDVTGVTDLVRGTLCPALK ALFEHGLKKPSLLGGACHPWLP IBEAAGREVERDPASVYSRLVL CKTFRLEDGKVLTPRELLYRAVQSVNVTHDAVHAQMDVKLRSL ICVGLNEQVILHLWLEVLCSLPTVEKWKYQPSFLRSFGWVQIKC ELRVLCCEFAFSLSQDWELPAKREAQQLKRGVDRMLVKHLFSW DVDG</p>
6347	2921	533	<p>QDRRLRLRLQKTCQPTSTMSGSHTPACGPFSAITPSPINQETL AKYTKKESAEQPEFYTDGFGPRVYKEEGDEPGSSILLANSPLME DAPQRLRQAHLEFTHNDVGLTWDLKIVSLPSEKRLASLVLA GIPHEMRPQLMRLSGALQKRRNSLSYRIVKSSNDETIAAK QIEKDLRTMPSNACFASMGISGVPRRLRVLALANLYPRTGYC QGTGVAACLLIFLEEDAPWMSAIIEDLLPASYPSTTLIGVQ TDQRLVRLHIVQLPRLDKLLQEHDLRLSLITLWFLITAFASV DIKLLRLIWDLPFYEGSRVLPOLTLGMLHLKKEELIQSENSASI PNTALTPPTPLVGLYELWQELTPDYSMSHQDHENTYVACSRSH RRRAKALLDFERHDDDELGFRENDIITIVSQDEHCWVGLNGL RGWFPKPFVEVLDERSKEYS IAGDSDVTGVTDLVRGTLCPALK ALFEHGLKKPSLLGGACHPWLP IBEAAGREVERDPASVYSRLVL CKTFRLEDGKVLTPRELLYRAVQSVNVTHDAVHAQMDVKLRSL ICVGLNEQVILHLWLEVLCSLPTVEKWKYQPSFLRSFGWVQIKC ELRVLCCEFAFSLSQDWELPAKREAQQLKRGVDRMLVKHLFSW DVDG</p>
6348	3	3679	<p>AGAECFVTLLACPLAQNNKYKTECKDLIKM(LRRLQPKKE KLAELKQAEELRQYKLVHSQERELTQLREKLREGRDASRLN EHLQALLTPDEPKSQGDLQBLAQCRRLAQHLVQKLSPENDN DDDEDVQVEAERVKQSSSPREMQKAEKEVPEDSLBECAITCS NSHGPCDSQPHKNTIKITFEDEVNSTLVVDRESSHDECQDALN ILPVPGFTSSATNVSMVVSAGPLSGEKAANILEINELRPOLA EKQKQFRLNKKCFLTQLACPLAQNNKYKTECKDLIKFMLEN ERQPKBEKLAELKQAEELRQYKLVHSQERELTQLREKLREGR DASRLNEHLQALLTPDEPKSQGDLQBLAQCRRLAQHLVQK LSPENDNDDDEDVQVEAERVKQSSSPREMQKAEKEVPEDSLB</p>

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			<p>ECATCSNSHGCPYDSNQPHRKTITFEEDKVDSTLIGSSSHVEM EDVHIIPENESDDEEEKGPVSPRNQSEEEVFPQESWDEG YSTLSIPPEMLASYKSYSTFHSLEBQQVCMVDIGRHRWDQVK KEDHEATOPRLSRELLDEKGPVQLQDSLDRCYSTPSCLELTDS CQPYRSAPYVLEQQVGLAVNMDIEIKYQVEEDQDPSCPLSR KLLDEKPEVLQDSLGRCYSTPSGYLELPDLGQPYSSAVYSLEE QYLGLALDVRIRKQDEEEDQGPCCPRLSRELLLEVVEPEVLQD SLDRCYSTPSSCLEQPDSCQPYGSSFYALEKKHVGPSLDVGEIE KKGKGGKRRGRSSKERRRRGRKEGEDQNPCCPRLSRELLDEK PEVLQDSLDRCYSTPSCLELTDSQPYRSAPYVLEQQVGLAV DMDIEIKYQVEEDQDPSCPLSGELLDEKPEVLQESLDRCYST TPSCLELTDSQPYRSAPYVLEQQVGLAVDMDIEIKYQVEE DQDPSCPLSRELLDEKPEVLQDSLGRCYSTPSGYLELPDLGQ PYSSAVYSLEEQYLGLALDVRIRKQDEEEDQGPCCPRLSRELL LEVVEPEVLQDSLDRCYSTPSSCLEQPDSCQPYGSSFYALEKKH VGPSLDVGEIEKKGKGGKRRGRSSKERRRRGRKEGEDQNPCCP RLNSMLMEVEPEVLQDSLDRCYSTPSMYFELPDSFQHYRSVFI SFEEHISFALYVDNRFFTLTVTSLHLVFGVIFPQ</p>
6349	3	3679	<p>AGAEKCFVTLACFLAQKQNKYKYECKDLIKSMLRNLQPKKE KLABQLQAEELQYKVLVHSQERELTQLREKLREGDASRSIN EHLQALLTPDEPDKSQGDQLQBLAEGCRLAQHLVQKLSPENDN DDDDEDVQVVAEKVQKSSSPREMQKAEKEVPEDSLAECAITCS NSHGPCDSNQPHKNIKITFEEDVNSTLVVDRESSHDECQDALN ILPVPGPTSSATNVSMVVSAGPLSGEKAANIILEINEKLRPQLA KKKQFPNLKCKFLTLQACFLANQNKYKYECKDLIKFMLRN ERQFKKEKLABQLQAEELQYKVLVHSQERELTQLREKLREGD DASRSINLQALLTPDEPDKSQGDQLQBLAEGCRLAQHLVQK LSPENDDDDEDVQVVAEKVQKSSAPREMPKAEKEVPEDSLAE ECAITCSNSHGCPYDSNQPHRKTITFEEDKVDSTLIGSSSHVEM EDVHIIPENESDDEEEKGPVSPRNQSEEEVFPQESWDEG YSTLSIPPEMLASYKSYSTFHSLEBQQVCMVDIGRHRWDQVK KEDHEATOPRLSRELLDEKGPVQLQDSLDRCYSTPSCLELTDS CQPYRSAPYVLEQQVGLAVNMDIEIKYQVEEDQDPSCPLSR KLLDEKPEVLQDSLGRCYSTPSGYLELPDLGQPYSSAVYSLEE QYLGLALDVRIRKQDEEEDQGPCCPRLSRELLLEVVEPEVLQD SLDRCYSTPSSCLEQPDSCQPYGSSFYALEKKHVGPSLDVGEIE KKGKGGKRRGRSSKERRRRGRKEGEDQNPCCPRLSRELLDEK PEVLQDSLDRCYSTPSCLELTDSQPYRSAPYVLEQQVGLAV DMDIEIKYQVEEDQDPSCPLSGELLDEKPEVLQESLDRCYST TPSCLELTDSQPYRSAPYVLEQQVGLAVDMDIEIKYQVEE DQDPSCPLSRELLDEKPEVLQDSLGRCYSTPSGYLELPDLGQ PYSSAVYSLEEQYLGLALDVRIRKQDEEEDQGPCCPRLSRELL LEVVEPEVLQDSLDRCYSTPSSCLEQPDSCQPYGSSFYALEKKH VGPSLDVGEIEKKGKGGKRRGRSSKERRRRGRKEGEDQNPCCP RLNSMLMEVEPEVLQDSLDRCYSTPSMYFELPDSFQHYRSVFI SFEEHISFALYVDNRFFTLTVTSLHLVFGVIFPQ</p>
6350	3	3679	<p>AGAEKCFVTLACFLAQKQNKYKYECKDLIKSMLRNLQPKKE KLABQLQAEELQYKVLVHSQERELTQLREKLREGDASRSIN EHLQALLTPDEPDKSQGDQLQBLAEGCRLAQHLVQKLSPENDN DDDDEDVQVVAEKVQKSSSPREMQKAEKEVPEDSLAECAITCS NSHGPCDSNQPHKNIKITFEEDVNSTLVVDRESSHDECQDALN ILPVPGPTSSATNVSMVVSAGPLSGEKAANIILEINEKLRPQLA KKKQFPNLKCKFLTLQACFLANQNKYKYECKDLIKFMLRN ERQFKKEKLABQLQAEELQYKVLVHSQERELTQLREKLREGD DASRSINLQALLTPDEPDKSQGDQLQBLAEGCRLAQHLVQK LSPENDDDDEDVQVVAEKVQKSSAPREMPKAEKEVPEDSLAE</p>

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			ECATTCSNSHGPDYDNPQHRKTKITPERDKVDSTLIGSSSHVEN EDVHIIIPENESDDERERKGPVSPRNLQRESEKVPQESWDEG YSTLSIPPPEMLASYKSYSTFHSLEEQVCMVDIGRHRWDQVK KEDHRATGPRLSRRLDERGPEVLQDSLDRCYSTPSCGLRLTDS CQPYRSAPTVLEQQRVGLAVNMDIEKYQFVEEDQDPSCPRLSR ELLDEREPEVLQDSLDRCYSTPSCGLRLDLQPYSSAVYSLEB QYLGLALDVDRIEKQREEREDQGPCPRLSRRLLEVVEPEVLQD SLDRCYSTPSSCLEQPDSCQPTGSSFYALEEKHVGPSLDVGBIE KKGKGRKRRGRSKKERRRGRKREGEDQNPCCPRLSRRLDEK PEVLQDSLDRCYSTPSCGLRLTDSQPYRSAPYILEQQRVGLAV DMDIEKYQFVEEDQDPSCPRLSRRLDEREPEVLQDSLDRCYS TSPSCGLRLTDSQPYRSAPYILEQQRVGLAVDMDIEKYQFVEE DQDPSCPRLSRRLDEREPEVLQDSLDRCYSTPSCGLRLDLQ PYSSAVYSLEEQYLGLALDVDRIEKQREEREDQGPCPRLSRRL LEVVEPEVLQDSLDRCYSTPSSCLEQPDSCQPTGSSFYALEEKH VGPSLDVGBIEKKGKGRKRRGRSKKERRRGRKREGEDQNPCCP RLNSMLMEVEPEVLQDSLDICYSTPSCMYFLPDSQHYRSVYF SFEBEHISFALVDRNPFLLTVTSLLELVFGMGVIFPQ
6351	1291	319	RRARRRTESQLGRMLVVEVANGESLVMGABAVQALRERLGVGG RTVGLALPRGPRNSRLGLPLLLMPBEARLLARIGAVTLVSAPRP DSRHSLALTSFKRQRESPQEQSALAARARETRQELLEKITE GQAARKQKLEQASGASSSQEAGSSQAARDETS DQASGGEKRA GPSSSQAGPSNGVAPLPESALLVQLATARPVPKARPLDNRVQS KDWPHAGRPARELYSYTYRDLMERGFYLSAAGKPGGDFLVYPGD PLRPHAHYIAQCWAPEDTIFLQELVAAGRLGTSVRKTLILLCSFQ PDGKVYVYTSQWASLQ
6352	235	923	WSEWLSPCAAKCKGLSLMLRTMTKTRATSLAADATFVQGRSAP AMARS LVHDTVFYCLSVYQVKLSPTPQLGAASSABGHVGGGAPG LMCNMNPEGGVHENGHMRDGMIFEGGGGNOEPPOQP PPFEE PAQAAMEGPPQENMQPRTTRTKFTLLQVEELESVRHTOYPDVP TRRELAEINLGVTEOKVRVWPKNERARCRHQRRLMLANELRADP DDCVYIVVD
6353	65	672	RFACAGATPEARARPPDVQAAREKEMDLPSASRVPCORTLSH VHTDDVNAITLQKMLDRPKTNEMILNFNLLSARLQOMSER FLHHTRTLVEMERDLDGIFRIRITLGEKLARQHPAPSHIPEAS FLEHEDEDPIPPSTTTTITATSEGTSGCDSPTVSPSLSPGPR DLSHVQPGSPAINGRSQTDDKEMTGE
6354	965	510	PSLEPMEPTDTCPLFGGAFSAITLPGQADVSDLEPVPINQEVFC HPVTDQSLIVLELLKLAHVREGAAARTHTFDVCGVQCARAVHVB SVQPLSLNLALRGRCQEWLVSGKQQLAKENQQVARDVTLEQA LLRLPQYQTDLLLTFFNQPP
6355	158	1662	RGSSAAPRGSGLEQAMIREVLPHCMGROLLTRRPOTRRGGPSLD NDGEVSEIKKIKIESILPGRSCOLLQDTSHLPPEHSDVIVGGGV IGLSVATNLKLESRRGAIRVLVVERDHTYSQASTGLSVGICQ QPSLPENIQSLPSSASFLRNINEYLAVVDADPLDLRPNPSGYLL LASEKDAAMESNVVQREQEAKVSLMSPDQLRNKPPWINTGV ALASYCMEDEGNFDPNCLLQGLRRKVQSLGVLPQGEVTRFVSS SQRMLTDDKAVVLERIHEVEVKHRSLEYQPVBCAIVINAGA WSAQIAALAGVGBGPPGTLLQGTLLPVRPKRYVYVWHCPQGPGL ETPLVADTSGAYFRREGLSNYLGERSPTQESEPDPANLEVDHD PFQDKVWPHALRVPAFTLKVQSAWAGYYDINTFDQNGVVGPH PLVVNMYFATGFSGELQAPGIGRAVAVMLKGRPQTIDLSFP LPTRFYLGEKIQENNI
6356	354	633	TGLTESCLPLQVMTKRTKDMGKFPSSVTVSTIOBBEREIRAREV ADSYACNAKVIEKQLERKMSRRRLQELAELEAKKAKMGTLID HQFK

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6357	2	915	GILLENMALLVRVLRNQTSSISQWVPVCSRLIPVSPQTQGGDEALS RTSQWPMQSQSQACGGSEQLPGIDIQLRKXHTTRKLTSTEDSP QPVRKVGAFKTKIIRAMGFTGFLKYSKWKIKIALALRYTSCVEK TDPREFFLRQMPDTPNSWFLITLLHVMNCLVRMEQEGRSRGKYM CRIIVHFMHEDVQQRGRVMGVNPFYILKKNMILMTHFYAAILGY DEGILSDEGLAAALWRTFFNRRCEDPRLLELLWVYVRKQIQYL DSMNGEDLLLTGEVSNRPLVEKNPQSILRPHSPTYNDEGL
6358	2009	1040	ASDALHSLSAPVLRSSRSAPRATWTEQATSPAKDFLAGGIAA AISKTAAPVIERVKLLQVCHASQIAADQYKSTVDCTVRIPE EQGLSFVRGNLANVITYFTQALNFAFKDKYKQIFLGGVDKHT QFHYRYPAGSLASGGAAGATSLCFVYPLDFARTRLAADVGSST REFRGLGDCIVKTKSDGIRGLYQGFVSUVQGIITYRAAYFGVY DTARGMLPDPENTHIVVSNMIAQTVEAVGVVSYEPDTVRRRMH MQSGRGKADIMYTGTVDCWRKI PRDEGGKAPFKDAMSNVLRMG GAFVLVLDELKXVI
6359	98	1086	VCRQERERKMKEDCLFSEHVPISSKSIQKSELGLKLTNYNTH GKSPQLRHRREBETLIEGLNLTAWGLRPIRLQWDRBQVHL PSTSWMPRPSPCLKPSQNGNITAGQPSIQPVHKAESSTDS GFLKEAEEAPQLMRKTSASCSMSQERPKRAPGEAQRIRRHFS INGHFNHKTSTVPTPAYGSVTVNRVNSMTTLQVLTLLNKPVR EDGPEFALYIVHRESGERTKLEDCBYPLISRIIAGPCCKIARIF LMEADLGVVPEHVAQYIKFEMPVLDSFVHLEKEEREREIKLT MKFQALRLTMLQRLQLVEAK
6360	1	345	GTRGAVPSTLEVVLPFRSCRVPWINSGTIMSKVSPKITLTSDP RLPYKVLSPPESTPFTAVLKFAAEKFKVPAATSAITNDGIGIN PAQTAGNVFLKHGSELRIIPDRVGCSC
6361	615	158	RFGLEQLQHCALAPQAGNRRCRFGRHLALTRSTHRCKPMSIMQ PKDTLNTPLPDSVPVAVPLGAPIAVASTLSVEHNDGVETGINAC APGRWRRQITGQBPCFPIQGRCTPTPDDGSTLHIQAGDALMLPA NSTGINDIQBTVRCTYVLIL
6362	350	1576	TIMDGSHSALEQLQPLPTSSSSAVSEASFSYKENLIGALLAIF GHLVVSIALKQKYCHIRLAGSKDPRAYFKTKTWLGLFLMLLC ELGVFASYAPAPLSLIVPLSAVSVIASAIGIITYIKKWKPKDF LRRYVLSFVGGGLAVVCTYLLVTFAPNSHEMTGKNVTRHLVSN PFLLYMLVRIILPCLLYFYKERNANNIVVILLVALIGSMTVV TVKAVAGMLVLSIQGNLQDYPIFYVMFVOMVATAVTQAPLQ ASQMYDSSLIASVGYILSTTIAITAGALFYLDPIGEDVLEHCMP ALGCLIAFLGVFLITRNRKKIPEFYISMAMPQMQRMDKGM TVQPELKASFSYGALEKNDNISETAPATLFPVMEHRSRSASG VPIRVLEHTKKE
6363	21	1201	RRTRLGSSPPRRRDSSAMESYDVIANQPVVIDNGSGVTKAGFAG DQIPKYCFPNYVGRPKHVRVMAGALEGDIPIGPRAKEHRLLSI RYPMREGLVKNWDMERIWOYVYSKDLQTFSEHHPVLLTEAPL NPRKNRERAAEVFPETFNVPALFISMQAVLSLYATGRTTGVVLD SGDGVTHAVPIYEGFAMPBSIMRIDIAGRDVSRFLRLYLKEGY DFRSESSEFEIVKAIKERACTLSINPQKDELTETKAQYVLPDGS TIEIGPSRFRAPRLFRPDLIGERSGITHVLPFAIQKSDMDLR RTLFSNIVLSGGSTLFRGPGDRLLSEVKILAPKDVKIRISAPQR RLYSTWIGGSILASLDTPKKNWVSKEEYEDGARSIRUKTF
6364	21	1201	RRTRLGSSPPRRRDSSAMESYDVIANQPVVIDNGSGVTKAGFAG DQIPKYCFPNYVGRPKHVRVMAGALEGDIPIGPRAKEHRLLSI RYPMREGLVKNWDMERIWOYVYSKDLQTFSEHHPVLLTEAPL NPRKNRERAAEVFPETFNVPALFISMQAVLSLYATGRTTGVVLD SGDGVTHAVPIYEGFAMPBSIMRIDIAGRDVSRFLRLYLKEGY DFRSESSEFEIVKAIKERACTLSINPQKDELTETKAQYVLPDGS TIEIGPSRFRAPRLFRPDLIGRESEGIHEVLVFAIQKSDMDLR

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6365	234	1989	<p>RTLFSNIVLSGGSTLFGKFGDRLLSEVKLAPKDVKIRISAPQR ELYSTWIGGSILASLDTFKMHVSKKSYEDGARSTHRETF</p> <p>KHKSRASCAARAQAQGPSRREVEHSEFRSGLEETGESNSGCCIM ASNGTLAFDEYGRPLI IKQDRKSRIMGLKALKSHDYAAKAVA NIMRTSLGPHGLDKMVDIDGDVTVTNDGATILSMVDVHQIAK LWVLSKESQDDEIGDGTGVVVLGALLREARQLLORGIIPIRI ADGYBQAARVAIEHLDKISDSVLVDIKDTEPLIQAKITLGSKV VNSCHROMARIANAVLTVDMMRRDVFELIEVEGKVGGRLED TKLINGVITVDEDFSHFQMPKKVEDAKIALITCPEPPEPKTKHK LDVTSVEDYKALKQYKREKPEEMIQIKETGANTAIQWGFDE ANHLQLQNNLPVAVNVGGPBIELIATATGRTVPRPSKLTAKL GFAGLVQETISFGTTKDKMLVIEQCNSRAVTIPIRGGNKMILIE AKRSLHDMACVTRNLIRDNRVVYGGGAARISCALAVSQEADKCP TLEQYAMRAPADALEVIMPALENSGMNPIQMTTEVRARQVKEM NPALGIDCLHRTNDMQQHVITLIGKKQQLSLATQMVMMILK IDDYRKPGSEB</p>
6366	257	1898	<p>GNKEGAHSSTFWLLSIFLGAVAMLCBQGTITVLGLNAVFDILV IGKPFVLEIVQKVLHKDKSLENLGNLNGGLLFRMTLLTSGGAG MLYVRWRINGTGPPAPTEVDNPAFDSMLVRAVNYNTYYSIRA WLLCPWWLCFDWSMGCIPLIKSISDWRVIALAALNFCILGLIC QALCSDEGHKREILITLGLGFLVIFPLPASNLFEEVGFVVAERVL YLPVGVYCVLLTFPGGALS KHTKKKLLIAAVVIGILPINTLRV LRSGEWRSEQLPRSALSVCPIANAKVHYNIGKRLADKGNQTAI RYYREAVRLNPKYVHAMNHLGNLKERNELOEAEELSLAVQIQ PDFAAAMNGLIVONSLKRPRAEQSYRTATKHKRYPCDYNL GRLYADLNRRHVDALNWRHATVLPKPHSLAMNNMIILLDNTGNL AQAEAVGREALILIPNDHSLMPSLANVLCKSQKYKESALPLKA IKANPNAASYHGLAVLYHRNGHLDLAKHVEISLQLOPTASGT KBNYGLLRRLKLLMQKAV</p>
6367	287	1934	<p>SIGPPVHLVLSILLXTCEMFQDSVAFEDVAVSFTQREWALLDPS QKNLYRDVMQETFNLTISVGKTVKQNIKDEYKNPRNLNMRB KLCSKESHHCESFQIADDMLNRRTLPGITPCRESSVCGEVGT GHSSLNTHIRADTGHKSSEYQYGENPYRNKECKKAFSYLDSFPQ SHDKACTKEKPYDGKECTETPISHSCIQRHRVMSGDGPKCKP CGKAFYPLNLCLIHRIHTGVKPYCKQCGKAFTRSTTLFVHER THITGVNADECKECGNAPSPPELIRRHKSHTGKPYCKQCGKV FISFSSIQYHDMTHTGKPYBCKQCGKAFRCGSHLQKHGRTHTG EKPYECKQCGKAFRCSTDLQRHEKTHETDKPYCKQCGKGFCA SQLQIHERTHSGEKPECKECQKVFPYFSSLRIHERTHTGKPH ECKQCGKAFRYFSSLHHERTHTGDKPYECKVCGKAFTCSSIR YHERTHTGKPYECKKCGKAFISNYIRYHERTHTGKPYCKQCK GKAFIRASCRKHERTHTINR</p>
6368	1	327	<p>RPVPAKLNPRSMERTAGALPLRPPLTMVPHDEVBIEDFQYDR DSSTYPYPCPGDHPSTIKEDLENGEDVATPCPSCLI I KVIYDR DQPVCGETVPAPSANKELVKC</p>
6369	1	1745	<p>AGCCRDTRFPTPRGPGSLCHNFCRSAACTVTRTHGSPREDTGT PRSRPMFPQDSVAFEDVAVSFTQREWALLDPSQKNLYRDVMQET FNLTISVGKTVKQNIKDEYKNPRNLNMRBKLCSKESHHC ESFNQIADDMLNRRTLPGITPCRESSVCGEVGTGHSSLNTHIRAD TGHKSSEYQYGENPYRNKECKKAFSYLDSFPQSHDKACTKEKPY DGKECTETPISHSCIQRHRVMSGDGPKCKFCGKAFYPLNLCL IHERIHTGVKPYCKQCGKAFTRSTTLFVHERTHITGVNADECKE CGNAPSPPELIRRHKSHTGKPYECKQCGKVFPISFSSIQYHDM THTGKPYECKQCGKAFRCGSHLQKHGRTHTGKPYECKQCGKA FRCTSDLQRHEKTHETDKPYCKQCGKGFRCASQLQIHERTHSG EKPECKECQKVFPYFSSLRIHERTHTGKPECKQCGKAFRYF</p>

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			SSLHIERHTHTGDKPYECKVCKAPTCSSTIRYHERHTHTGERPY ECKHCKGKAFISNYIRYHERHTHTGERPYQCKGCKAFIRASSCRE HERHTHTIR
6370	1711	329	FVLSBQRURTERHTWPEPGLGGAANGARTAGAGLLRLIGCG ALVGGRLRPVMTTPANAGNASETWELSLYELHRTPOEAIMDGTB LAVSPESLSELMCPICLMLKWTMTKELHRFCSDCIVTALR SGNKBCTCRKRLVSKSLRDPFNDALISKITYPSREYERHOD HVLIRLSRLNQALSSSTEEGLEWQAMHRAQVRVPIPGSDQT TTMSGGEFPGEGEGEDGSDSDSAPDSAPGAPKPRPGGGAGG SSVGTGGCGTGGVGGGAGSEDSGDRGGTLGGGTLPSPPPGAP PPPPGGRILVFRPHPLVERGETYQTRYVTTGNATVDHLSKY LALRIALEERQQBAGEPGGPGGASDTGGPDGCGGEGGAGGG DGPPEPALPSLEGVSEKQYTTIYIAPGGGAPTTLGSLTLELVNE KFWKVSRLPLECTAPTIDPK
6371	3	288	GVANMSTANMGTSTSPQPPPDGSGFPLDLGRCSSVREKFMK LHNNVFNALCKESKYLESCMRRLNLQBPLEKLGFGDLTSG KSEAKK
6372	2141	625	RVSALASEGKARERYKLEDLLEKSFSLVMPSLQPVVNCVMEH LPKVPKRLKLVMADEKLYRACAVEVRRQIQDNOALFGDEVSP LLHQYILKESALFSTLSVLNFPSPSPTRROGEVQRLTEM VGENVRLYDMVLOFLRLTLFLTRNVHYCTLRKLLMSLHDLVGC BICTVDPCHKFTNCLDACTIRERFVDSKRARELQGFLDGVEKQGE QVIGDLEMLCOPPAINTALSTVHLQELVQGYTLPRDSFDLL LLELLALGQGANNDKIDSQVFKBPMEVELITRFLPMLSPDVD DYTFNVDQKLPAEKAPVSYPTNLPSEFTKFLQEQRMACEVGLY YVLEHTKQRNKNALLRLPLGLVETPGDLAFGDI FLEHLLTGNLAL LADEPALEDFCSSLPDGFPTASPRKENVHRHALLLHLEPRV APSELEALQKALEPTGQSGEAVKELYSQLGKLEQLDHRKPSPA QAARTPALEKLPLSPVAPAPL
6373	67	711	PSRAARASPARLJAMVSWIIISLVVLLFGTLYPAYYSYKAVKER DIKRYVKNMWTIIIFALFTTASTPTDI FLMFPFYVELKIAFVA WLLSPYTRGSSLLYRKFPVHTLSSEKKEIDDCLVQAKDRSYDAL VHPGKRGFLVAATAAVMAASKGQALSERLESFPMQDLITIRGD GAPAPSGPPPPGSGRASGKHGQFNSRSASASASSGTA
6374	535	2105	HKLFCSTYSTSEFFSSTRHSCPTHTFCNTYSTTIFLSSTRDHS CPTHTFCNTYSTTIFLSSTRDHSCTHTSCNTYSTTIFLSSTRD HSCPTHTSCNTYSTTIFLSSTRDHSCTHTFCNTYPRPIRLSSC CPAELQTEGSGKKEVLSGQVVLDTVLFPBGCGQPDDEGTIN DISVLRVTRRGEQADHPTQTPLDPGSQVLVRVDWERRFDHMQQH SQOHLITAVADHLFLKTTSHLGRFRSAIHLDTPSMTAQVAA IBQSVNEKIRDRLPVNVRELSDOPFEVQVSGROLPDHAGPIR VVNIBGVDSNMCOGTHVSNLSDLVKILGTEKGNRINLIPL SGNRVLIOMERSHGTEKALTALLKCGAEDHVEAVKTIQNSTKIL QRNMLLRLDLAVNIAHSLRNSPDGCVVILHRKEGDSEFMNIT ANRIGSEHTLLFLTVGDERGGGLFLLAGPPASVETLCPRVARVL EGWAGKKGKRPQKATNRRMRBAQALLDYISTQSAK3
6375	1	1535	AIMAAATRPVRLPEAGCEORERCWNPSRSESHSGEGGLAASRT CPGRPRBPQQVVRGPTMLVTAYLAFVGLLASCLGLSLRCRAK PPGRACSNPSPLRFQLOFYQVYFLALAADNLQAPYLYLYYHY FLEGQIALIYVGLASTVLPGVLASSLVDWLGRKNSCVLFSLT SLOCLELSQDYFVLLVGRALGGLSTALLPSAFRMYDHEHVER HDPFAEWTPATPARAAFVNHVLA VVGVAAEAVASHIGLGPVAP FVAAPLALAGALALRNWGENYDRQAPERTCAGGLRCLLSDR RVLLGCTIQALFESVPIPIFVPLWTPVLDPHGAPLGIIPSSFMAA SLGSSLYRIATSEKYLQPHLLSLAVLIVVFSLSPLTFSTSP QBSFVBSFIAPLLIKLACGLYFPMSFLRRKVIPTBOAGVLN

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			WFRVPLHSLACLGLLVLHDSDRCTGTRNMFSCSAVMVMALLAV VGLFTVVRHDAELEKVPSPTEPTAPEL
6376	380	1437	ISSTDIDHYRPSFLVNSKMPKESWSGRTNRAAVHKSQKGRQ QDLLIAALGMKLGSPKSSVTIQPLKLFAYSQLTSLVRRATLEB NEQILPKYKIKHNFKVHTPRGPHNCEYCAFPWGLLAQGVKADC GLVHKKQCSKMPVNDCKPDLKHKVYSDDLTLVKAHTTKRPM VVMCIRETESRGLNSEGLYKVSQPSDLIEDVKMAFDRDGEKAD ISVNMVEDINITGALKLYPRDLPIPLITTYDAYPEPTESAKIMD PDEQLTLHAKLLPPANCSTLRYLMAHLKRVTLHKKENLMA KNLGIIVGPTLMRSPELDAMAAALNDIRYQLVVELLIKNEDILF
6377	2311	1845	SRIRRESSRRPRRPPGSPRRRRRRRFPDRTPSPKTPKQRRTFE QRVEDVRLIRBQHPTKLPVI IERYNGRKQLPVLDTKFLVDPHV HMSLEIKIIRRLQLNANQAFLLVNGHSMVSVSTPISEVYESB KDEGFLYMYASQBTFGMLSV
6378	686	191	GAGPWEAFPDGIGRRSRRLFPQYKRPGRVGGDSGRNMVA DLALIPDVIDSDGVFKYVLIRVHSAPRSGAPAESKEIVRGYK WBYTHADIDYKVSQDWQKQGCDCCLGGGRISHQSQDKKHVYG YSMAYGPAQHAISTEKIKARYPDYEVTWANDGY
6379	35	378	BRAGSPSPSRAALRRCAPORSQAPRWFDRAACRRSFOGSQGRAY LFNSVVNVGCGPAERVLITGLEAVADIYCNCTTLGWKYHHA FESSQKYKEGKIYIHLAEMIKONGND
6380	1414	462	PAVQGQRCGAGPPIGRGSGNMAFALTIVRHGETRFNKKIYQGO GVDBPLSETGPKQAAAAGIPLNHFVKTAFSSDLMTKTQTMHGI LERSKFKCDMTVKYDSRLRERKYGVVECKALSELAMAKAAREB CPVFTPPGGETLDQVMRGIDFFELQLLLEADQKEQFSQGS PENCLETSLABIPLQKNHSSKVNDSGIPGLAASVLVWSHGAY MRSIFDYFLTDLKCCLPATLSRSELMSVTNTGMSLPIINPEEG REVKPTQCICMNLQDHLNGLTENSLGLNLPKSNHFEPLKGV LALFTSLLC
6381	1668	218	AVVRAQSGRSGPAGWRFQAAAMNFSEVPKLSLLCKPSPDGR YLASCQVYRLVVRDVTQLQLQYTCLOIQHIENSADSLPILC AMYRGLVQVNSLBQPEWHCKIDEGSAGLVASCHSPDGRHILAT TRPHLRITVNSLCTKSYSYIKYPEACLGITPTEDGRYMAAER RDCKDYVSIFVCSNQLLRHFDITDQDLGLEWAPNGCVLAVWD TCLBYKILLYSLDGRLLSTYSAYEWSLGKSVANSPPSSQFLAVG SYDGKVRILNHTVNMITEFCHPAALNDPKIVVYKRAKESPOLG LGCLSPFPFRAGAGPLPSSSESKYELASVPVSLQTLKPVTDRA NPKIGIGMLAPSPDSYFLATRNNDNIPHAVVNDIQKLRLFAVLEOL SPVRAPQWDPPQPRLAICTGSRLLYLWSPAGCMSVQVPGGDFPA VLSLCWHLSGDSMALLSKDHFCLCFLETAUVGTACRQLCGHT
6382	2	1062	FEDEDRNLCLTAYPLEGHDGIVDIVDHSDECPASLLRWTTNK KHVLETERKTPKDNVQRKREKESKLEEFNWKSEVLYY TVEKGNISSQLKHNPNWMSKCHQOQLQRMKENAKHRNQYKPI LENLTSRYEVPCLDLKMGTRQHGDDASEKKAANQIRKQQSTS AVIGVRVCGMQVYQAGSGQLMFMKYGGRKLSVQGFKBALFPFP ENGRYLRRELGPVLKCLTELKAVLERQESYRFYSSLLVITYDG KERPEVVLOSADLDLSEBSADESAGAYAKPIGASSVDVDM IDFAHTTCRLYGRDTVVRHQDAGYIFGLQSLDITVTEISERSG E
6383	3159	1061	SPAPGRPSPHGSQPAARAAAAPAMPSAKQSGSGGHAASPSER GAHPSAARPLAAPTAPACRSPSPGGAPASFPGRAPRSLASQP AARAAAAPAMPSAKQSGSGGHAASPSERGAHPSGGADDAVKK PPAPQPPPPPPAPHPQOHPOHPOHQAHGKGGHRCGGGGGGS SSSSASAAAAAASASCSRRIGRALNPLPYLALVAAAAPS GNCVHHVLEEVQVVERSHQDFSRQRRLGQGLGVQKVSLOA TPGTFSIILRSSQHKQDLTERAVKQKSESVSRISSEVLQKLNBI

[illegible]

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			<p>LTENQRKHSDENSNAKTRONRVLVCPASNAVDELAKKIILEF KECKDKKNPLGNCGDINLVRLGPKESINSEVLEKPSLDSQVNER MKKELPSHVQAMHKRKEFLDYQLDELGRQALCRGGREIQREL DENISKVSKERORLASKIKKVGQRPOKTSIIIESEHIICCTLS TSGCLLLESAPRGQGGVFFSCVIVDEAGQSCIEITLPLIHRCN KLILVGDPEQLPPTVISMAQSYGYDQSMARPCRLLEENVEHN MISRLPILQLTVQYRMHFDICLPPSNYVYNNRLKTNQTEAIRC SSDWFPQPYLVFVDGDSEREDNDYINVQIKLVMEIKLIKID KKKDVSPFNIGIITHYKAQKTMIQKDLDBPDRKGPAREVDTVDA PQGRQKDCVITVCVRANSIQGSIGPLASLQRLNVITIRAKYSLF ILGHLATLMENOHWNQLIQDAQKRGAILKTCOKNYRHDVAKILK LKPVLQRSLTHPPTIAPEGSRPQGGPLSSKLDGFAKTEVAASL YHTPSDSKEITLTVTSKOPERPVPVDQLQDFRLKRMGIHVKG IPLNDPQSPSPQHDGATPFTGEPGFVVDLSHVQQAARVAA LSSHKPPVGEPPAASPEASTQSKCDDPBEELCHREARAPSE GRQKCGQSETHHTERSENDRKTLQEQDSSSKKRKLL</p>
6392	972	186	<p>CRTGVDLASSMAHLRLIQLTWDVKDTLLRLRHPILGRAYATKAR AHGLEVPESALEQGFQAYRAQSRSFPNYQLSHGLTSRQWNLQV VLOTFLHAGVQDAQAVAPIABQLYKOPSHPCWQVLDGAEITLR ECRTFGLRLAVISNFDRLLEGILGGLRLRHPDPVLTSEAGWP KPDPRIFQEAHLRAHMEPVVAHVGDNYLCQYQGPRAVGMHSFL VVGQALDPVVRDVPKEHLPSLAHLPLALDCLGSGTGPL</p>
6393	2017	730	<p>TGGSMAAVATCGSVAASTGSAVATASKSNVTSPORRGPRASVT NDSGPRLVSIAGTRPSVRNGQLLVSTGLPALDQLLGGGLAVGTU LLIEEDKYNIIYSPLLPKYPLAEGIVNGHTLLVASAKEDPANTILQ ELPAPLLDDCKKEFDVDVNHETPESNIMKIAWRYQLLPME IGPVSSSRFGHYDASKBMPQELIRASNWHGPFLEPRISSTLRV EPCSLTPGYTKLQFIQNTIYREGFDOSNPQKKQNTLLRIGIQN LGSPLWGDICCAENGNNSHSLTEFLYVLRGLLRSTLSACIITM PHTLIQKAIARVTTLSVVVGLESFIGSERETNPLYKDIHGL IHIRQIFPLNLIQDSDDVDLAFKLKRLKFTIERLHLPPLDSD TVSRSSNDLAEAKRLGPGGQWQGGKRLDY</p>
6394	1418	511	<p>GAAAGGEGARRRPAAMATVMAATAARAVLEEFPRWLLHDEVHA VLKQLQDILKEASLRFTLPCSGTEGPAKQENFLLGSGTDQVKQ VLTLQGDALSQADVNLEMPRENQILLHPAFREDEQWKLQIQDAR NHVSQAIYLLTSRDQSYQPKTGABVLKMDAVMLQLTRARNRLT TPATLTLPEIAASGLTRMPAPALPSDLLVNVYINLNKCLTVYQ LHALQPNSTENFRPAGGAVLHSPGAMPENGSRLEVSHVHKVEC VIPWLDALVYFTVSLQCCQLKOKISVFSSYNSYRPF</p>
6395	13	658	<p>PSGRPTRPLCCARRGAAEKGGSVSGNPAERTPTETSNPGSSVM ESVTFEDVAVBFIQENALLDSARRSLCYRMLDQCRTLASRGTP PCKPSCVSLGQRAEPRAERGLRATGVANESQLKPRELEPSMQ DLLEASSHNDNGPGLFLENQLVFSIERETPLTREDRPAQBE PPWSLCTGLKAAMQIQRVVIFVPTLGERNPNVWARDGGE</p>
6396	1	1221	<p>ANILSSPSKRGQEGTLIGTSFEGTFLYNFMGDAFQHSQSIPRF IKESLQILERSDSRQIFPYLCIALLPTFVLEFYGVLTNSLGLI SDGFHMLPDCCALVMGLFAALMSRWKATRIFSYGYGRIETLSGF INGLFLIVLAFFVFMBSVARLIDPFELDTMLTTPSVGGIIVNL IGICAPSBANSHAGASQGSCHSDHSHSHMBGHSDHGHGRSH GSAGGMNANMRGVFLHVLADTLQSGIGVIVSTVLIEQFGWFIAD PLCSLPIALILFLSVVPLIKDACQVLLRLPPEYKELHIALEK IQKIEGLISYRDPHFWRHSASIVAGTIHQVTSVDLEQRIVQOV TGILKADAGVNNLTIOVEKEAYFQMSGLSTGFHDVLAMTKQMS MKYCKDGTIIM</p>
6397	391	122	<p>GAGGVGRFAIRAPARMIEVVCNDRLGKKVRVKCNFTDDTIGDLK KLIAAQGTGRNKKIVLKKWYTIKPDHVSIGDYBIHDCMNLRLYY</p>

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6398	353	1306	Q HKQMGPLINRCKILLPTTVPPATMRINWLGILLPPLLLLSGLQ RPTGESVAIKIDPDPAPGSPIDQYQGCSSQVMEKLTQGDYPTK DIEAQKNYFPMWQKALHAWLNQGVLPONMTTTHAVAILFTLN SNVHSDFTAMASVARTPQQYERSPHPKYLHYLLTSAIQLLRKD SIMENGLCYRHYRYKDVHPKATYGTATIRPQQLSTSLKSEA QKFGNQLPTTPTCLGAPVQYPSLEKEVLIPPYELFKVIMSYH PRGDWLQLRSTGNLSTYNQQLLKASSKRCIPDPIAYASLSPLTS VIIPSKSRV
6399	75	1245	FNLETYFGRRCKKDSNNPTPTHTPVCKRRTVUSKRGVAVSGPTK RRGMADSLSESTPLSPFEDRLAKLHPSKELLEYQKMARCBARN EDLLKLELYKACGGHLECDLQQRREIARLQKALSDMQVC LFQERHVLRLYSENDRLRLRELEDKKKIQNLJLALVGTADAGEVT YFCKEPPIHKVTILQRTIQAVGECESSESSAPKADPKLSKRPSR ERKESSEHYQORDIQTLILQVEALQALGBOITKLSREQIEGLIED RRHLKEIQVQRNKNCKELTKNLEHTOELLTESTKDFLQLR SEKQNKESWMLKDNLSKIKQYRVQCKKEDKIGKVLVPMHB SHEAQSEYTKVMSLCNENVVYPSGRVVGIPKILQFVM
6400	2520	1053	KTWKCEVYVYVQSAIIRHFCGYAMTKGKPHNLNERKDPETWL DNISVTPLSLTDLQKNETLDLILISLSQAVQLKHLNNLETLLKR DPLKLLPLSLSPYLLKWLDPQTLTCLLVKQWKEVLSACTBVN QTACKNLQNTIDSVQDALHKKVYLKAILRMKQLEDHRAFETS SLIGH SARVYALYKDGLLCTGSDLSANLWVSTGQCVCYGIQT HTCAAVKFDQKLVTSFDTTACWWSGARTQHFREHTGAVP SVQYNDLDELIVSGSADPTVKWALSAGTCLATLTGHTBWTKV VLQRCVKVSLHSFGDYLLSADKYEIKINPIGRBINCKLKT EVSERSLICQPRHLHFDGKYIVCSSALGLYQWDFASYDILRVIK TPBIANLALLQFODIFALLFDNRVLYINDLRTESLISRWPLPRY RKSXKGSBPLAGBASWINGLDGNDTGLVPATSMFDHSIHLVLW KEHG
6401	109	766	PGAANSRPDLRGCTGPGPALEMLVLPSPCPOPLAFSSVETMEQ PPRRTCKSPGPGSSIGSPQASSPPFNHYLLIDTQGVVPTVL VDEESQREPGASGAPQKCYSCPVCSHVPEYMSYLQRHSITHS EVKPFBCDIGKAPKRAHARHSIHLACGGRPHGCPICPRRP RDAGHLAQHSRVHSGERPQCPHCPRRFMBQNTLQKHTRWKHP
6402	1196	279	TTSQCGGIRGSSAIFVASMEFAATCLRNALLPBEQDDPKQEN GAKNSNQLGNTESSESTCSSKSHDGDKPIAPPSSPLKQKQ LENLKCSILACSAYVALAGDNLHMAINHADKLLQPKLSGLKXP LGHLAARALISLDRISDAITHLPENVTDVSLGISNBDQGS DXGENAMESSGKRAPQCYPSVNSARTVMLFNLGSAYCLRSEY DKARKCLHQAASMIHPKEVPPRAILLAVYLELQNGNTQLAQII KRHQLLPAVKTHSEVRKKFPVQPVHPIQPIQMPAFTTVQRK
6403	2	1690	RGHTSVLQGNLQNMYSNNVIMLNNLNLTOVQORNLITNLQ RSVDDTSQAIQRKNDPQNLQOVFLQAKKDTDLKSKVQSLQTL AAMNSALAKANHTLEDNNSQLNSFTGOMENITTSQANBQMLE DLQDLHKDAENRTAIPKQLERFQLFETDIVNIISNISTAHH LRTLSNLNEVRTTCTDTLTKHTDDLTSLNNTLANRILDSVSLR MQQDLARSRLDTEVANLSVIMEEMKLVDSKRGOLIKNFTILQGP PGFRGPRGDRGSGQGPQPTGNKQKGRGUEPGPPAGERGPIG PAGPPGRRGGKSGSGQGPKSGSGSPGKPGQPGPSGDPGPPGPP GREGLPQGPQGPQGPQGLQGTGVEPGVPGPRGLPGLPGVPGMPGP KGPFGPPGPGSAGVVPALQNEPTPAPEDNSCPPHKNFTDKCYV FSVKEKIPEDAKLPCKDKSSHLVPINTREEQQNKKQMVGRESH WIGLTDSERENENHLDGTSDDYKNWAGQPDNWHGHGCGEDC AGLIYAGQWEDPQCEVDNFIKCKDRETVLSSAL
6404	1012	222	AAALAMAPAPGLISVFSSQELGALALQVLAQRAACCLAGARA

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			RPALGLSGSLVSMLELPAAPVAPAGPASTARNTLGFCDRELVPFDHAESTYGLYKTHLSRLPIPSQVITINPELFEAAEDYA KKLRAQAFQGSIPVFDLLILGVDPDGHFTCSLFPDDEPLLOREKI VAPISDSPEKPPQPVTLTLFVLAARTVIFVATGEKAAVLKRI LEDQRENPLPAALVQPHTKLCLWFLDEAAARLLTVPPPEKHSPL
6405	1	1456	AALPRPTPRAPLGRGTGSDSEMAASNYTGRVAVATLRNHRPR TAQRAAAQVLGSSGLFNNHGLQVQQQQQRNLSLHETMSMELLQE AGVSVPFGYVAKSPDRATAIKKLGSKDVVIAQVLAGRGEGT PESGLKGGVKIVPSFREAKAVSSOMICKLFTQGTGERGRICNQ VLVCKERYPREYFYAITMERSPQGPVLIGSSHGGVNIEDVAAB TPRAIIEKPIDIEGIIKQBQALQAKNGFPFNIVSAAENMVK LYSPLKYDATMBINPMVEDSDGAVLCHDAKINFDSNSAYRQK KIPDLQDWTQDERDKDAKANLNYIGLQGNIGCLVNGAGLAMA TMDIILKHHGGTPANFLDVGGGATVHQVTAFLKLTSDKVLAIL VNIPEGIMRCOVIAQGIWMAVKDLKIKIPVVVRLQGTREVDAKA LIADSGKLILACDLDRAARMVVKLSKIVTLAKQAHVDVKFQLP I
6406	1036	167	HPROMRGEDTPEAPPYSSGRYDSIKTEVSQCPEDLTVCRAPTAD DDDDDHDDHDDHNDNDSEGDPERLKAPNMFVRLFVDENLDM VPISNQPKKIQALIBSCSRQFPFQERARKIRITYLESCHENK KRGMEWTRTPPHLTSAMABETLAACSESTRKAARMLBIYO SSQDEPIALDKQHSRDSAAITHTSYLSFASYSQDPVYANGGLN YSYRGYGLSSNLOFPASLIQTGNHNSGESGEARALASRPAPSWV CRAALGSGNGRGKQRPVMEKCLTA
6407	492	150	VGLCLAVSQTVLAQLDALLVFPQGVQVQLSCTLSQHVITIRDYGV SWYQORAGSAPRYLLYRSEKEDHERPADIPDRFSAKDEAHNAC VLTISPVQPEDDADYVCSVGYGFSF
6408	1458	903	HGCIYSSQAWRLFGGVTRGFNMRIKCYFCSPGIYPGHGMFVR NDCKVFRECKSKCHENFKKKRNPKVRWTKAFRAAGKELTVDN SFBPEKRRNEPIKYORELNNKTIDAMKRVESIKQKQAKPIMNR LKKNKELQKVQDIKEVQNHLITRAPLAGKQKLEEMVQQLQEDVDMEDAP
6409	150	446	NTALANLLRCPTCDRLCGGCTAPAPPAHQGIVLQPVMPSCDPGP GPACLPATTFPSYLPRCHRTYSVHCRAHLAKHDELKSKSPQGS HGRAYLENSV
6410	85	607	RGGTAGCVACLGCGQSSSPKAAPPAGSACLPADESCPCLLPQAC AISGLFNCITIHPLNLAAGVNMIMHAFILLCEAPPCCQFIEFA NTVAEKVDRLSNQKAVFYCGMAVVPVIVISLTLTLLGNATAPA TGVLYGLSALGKKGDAISYARIQQQRQADEHKLASTLEGEL
6411	302	772	RLSIMASSINEDPEGSRITTVRGDLFACPKTDSLACTISEDCHM GAGI AVLFKQPGGVQELLNQKESGEVAVLKRDGRYIYTLITK KRASHKPTYENLQKSLKAMRSHCLKNGVTDLSMPRIGOGGLRLQ WENVSAMIREVFEATDIKITVYTL
6412	61	1709	RPVTSFSPPLPGSCGRLGTRTMLGRSLREVSAAALKQSQITPTEL QKCLSLIKRTKPLNAYITVSEVALQABESEKRYKNGQSLGD LDGIPIAVDNFSTSGIETTCASNMLKGYIPFYATVQKLLDQ GALLMGRKTNLDBFAMGSGSTDGVEGPPVKNPWSYSKQYREKRRQN PHSENKDSWMLITGGSSGSAAVSAFTCYALGSDTGGSTRNP AAHCGLVGPKPSYGLVSRHGLIPLVNSMDVFGILTRCDDAATV LGALAGPDPRDSTTVHEPINKPMLPSLADVSKLCIGIPKEYLV PELSSSEVQSLNSKAADLFSESEKARVIEVSLPHTSYSIVCYHVLCTSEVASNMARFDGLQYGHRCIDVSTREAMZATRECFNDVVRG RILSGNPFLLKENYENYFVBAQKVRRLIANDFVNAPNSGVDVLL TPTTLSEAVPYLEFIKEDNRTRSAQDDIPTQAVNMAGLPAVSLP VALSNQGLPIGLQPIGRAPCDQQLLTVAKNFBEQVQFPVIOQLQELMDDCSAVLENKRLASVSLKQ

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			PAPMYGGFFVKLETTYLGDPFIPYDPQITAEKLAETKNVQALID KHORIPGNIMSALLERFH
6421	1844	362	WALSLERRQPERMSNKLSPHPSVVRSEPKMASSPAVLRSRL YQWSLKSSAQFLGSPQLRQVGGIIRVPARNATLLEPAGRCW DEPVRIAVRGLAPEQPVTLRASLHDKGALPOAHARYRADTLGE LDLERAPALGGSFAGLEPMGLLWALEPEKPLVRLVKRDVKTPLA VELEVLGDHDPDGRLLCQTHEERYFLPPGVRRSEFVVRVGEET LELPPEPGPPGIVDMFGTGGCLLEYRASLLAGEGFVWALAYV NYEDLPKIMETLHLEYFPEAMNYLLSHPRVKPGVGLLGISEGG ELCLSMASFLKGIATAAVVINGSVANVGGTLRYGETLPPVGVNR NRIVKVTGQYADIVDVLSPLBGPQKRSFIPVERAESTFLFLVG QDDHNNWSEFPYANBACRLQAHGRRKPKQIICTPBTGHTYEPFYF FLCRASLHALVGSPIINGGEPRAHAMAQVDANKQLQTFPHKILG GREGTIPSEV
6422	181	2133	EGENLSWFQEPWGDIAKEFYWKTPCPGPPFLRYNFDVTGKIFIE WMKGATTNI CYNVLDERVHEKELGDKVAFTWEGNEPGETTQITY BQLLVQVQCPNSVLRKQGIHKGDRVAITYPMIPELVVAHLACAR IGALHSIVFAGPSESSESLCERILLSSCSLLITDAFYRGEKLVNL KELADRALQKCKQKGFPRCCIVVKELGRABLGMGDSSTQSPPPI KRSQPDVQISWNGQIDLWHEELMQEAGDECEPEWCDARDPLFIL YTSGSTGKPKGVVHTVGGYMLYVATTFKYVPDPHARDVFNCTAD IGWITGHSYVTYGPLANGATSVLPBGIPTYPDVNRLSIVDKYK VTKFYTAFTAIRLLNKPGEFVTKHSRASIQVLGTVCBPIINPEA WLYHRVVGAGRCPIVDTFWQETGGMILTPLPGATPMKPGSAT PPFPVGVAPAILNESGEELBGEABGYLVKQKPPGIMRTVYGNHR RFETTYFKKPPGYVVGDCQQRDQGYWITGRIDDMNVSGHL LSTAEVESALVEHEAVAAVVGHPHPVKGECLYCFVTLCDGHT FSPKLTERRKQIREKIGPIATPDYIQNAGLPKTRSGKIMRRV LRKIAQNDHDLGDMSTVADPSVISHLPSHRCLTIQ
6423	614	1237	ANLKEIPRDLPPRTVLLYLDNQITSIIPNEIFKDLHQLEVLNLS KNGIEFIDRHAPKGVABTLOTLDSDNRISQSVHKNFNLKARA RIANNPWHCCTLQQLRSMASNHSTAHNVIKTSVLDEHAGRP FLNANDADLNLPEKTTDYAMLVTMFGWFTMVISYVVVYVRQN QEDARRHLELYLKLPSRQKKADEPDISTVV
6424	1	1188	KKVSMPVAMVHCSCVLPRKYGNPIDKLRLETRGGSGGNGYPRL GGEGGKGGDVVVAHNRMTLAKQLKDRYPRKRPVAGVGANSKLSA LKGSKGKDWRI PVFVGISVTOENGKIIGELNKKNDRI LVAQGL GGKLLTNFLPLKQKRIIHLDLKLLADVGLVGFPAAGKSSLLSC VSHAKPAZADYAFITLPELKGIMYSDFKQISVADLPGLIEGAH MNEGMCKEFLKHIERTRQLLPVVDISQPLSSHTQYRTAPETII LLTKLELYKRELQTKPALLAVNMDLPDAQDEPHLMSQLQNP KDFLHLFEKNMIPERTVBFQHIIPISAVTGEIEELKNCIRKSL DEQANQENDALHKOLLNLNLSDTMSSTEFPSKHAVTTSEMDII
6425	1850	1144	LAMEGGGGIPLKTLKEESQSRHVLPAFVNSLQKSNWGLITG LVGGTLVAVYAVATPEVTPALRKVCLPFPVATMKQIENNVKMLR CRRGSLVDIGSGDGRIVIAAAKKGPTAVGYRLNPVLWVYSRTA NRGEGVGSARFYISDLKRVTPSYQSNVVI FGVPMMLQLEKLE RLEDDARVIACRFPFPHWTPDEVTGEGIDTVWYDASTPRGRE KRPCTSMHFQLPIQA
6426	30	565	SRGAVGGSVAGGEIRGDTGGHDTAAPGRFSFSPEPTLEDIRR LHAFPAABRDWBPQFQRMILLALVGEVGLAELPQNRKDGEPC PQGSFPRRAALQEELSDVLYLVALAACRVLDPLAVLSKMDI NRRRYPAHLARSSSRKYTELPHGAISEDQAVGPADIPCDSTGQT ST
6427	145	959	AASWGPFPVPRKGMVSNMILCVLVLFGLCPAYASYKAVETK NIREYVRHMMYNI V FALFMAAEIVTDIPISNFFPTYEIKMAFVL

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			NLYSPYTKGASLLYHKFVHPSLSRHEKRTDAYIVQAKERSVETVLSFGKRGLEIAASAAVQAATKSQGGALAGRLRSFSQJDLSESISDAPAPATHDPLYLEQVSHRRPPIGTRAGGLQDSITEDRCNSOTEA VPRAPARPRBKPLIRSQLRVVKKPPVREGTGRSLKVKTRKRTVPSDVDS
6428	1982	444	SGSGGKMDHQHVPIQITSKLLDVLVDRRHCSLWQSLVLTIR EKINAAIQDMPSEBRIAQLLSQSYIHYFCLRIILDLLKGTAST KNI PGYSSQRMKQOEIIALYBKONTYLVELSSLLVRVWYKI PSLKKQIAKCOQLQOBYSRKEBECQAABMEQFVHSCQYGI TGEHVEGELLALVKLPSQLAEIGAAQQLGEAIDVYQASVGF VCESPTBQVLPMLRFVQKRGNSTVYEWRTGTBPSVVERPHLEEL PEQVAKDAIDWGDGVEAVSEGTDSGIGAAAGIDWGI PPESDS KDPGGDGDIDGDDAVALQITVLEAGTQAFEGVARGPDALTLEY TETRNQPLDELMELSIPLAQRAVELSEADVLSVSQFQLAPAIL CQQTERRMVTMVSVLEDLIGLITSLQLQHLFMIASPRYVDRVT EFLQQLKQSQLLALKKKLMVQKQEALEEQAALEPKLDLLER KRELQKLLEADISKYSGRPVNLGOTSL
6429	3413	3442	EFSSWTAAPRCPLAAHPLAAVQEDDRRLSFDRIKVPANGTL VVKSVTDKQAGDYLCVARNKVGDDYVVLKVDVVMKPAKIEHKEE NDMKRVFYGGDLKVDCAVATGLNPEISWSLEFDGSLVNSFMQSDDS OGRTKRYVVPNGTLYPNEVGMREBGDYTCPAENQVGMDEMVRV VKVVTAPATIRNKTCLAVQVPGDVVTVACBAKGPMPKVTNLS PINKVPIPSSEKYOIYQDGTLLIQKQQRSDSGNTTCLVRNSAGE DRKTVMIHVNVPKINGNPNPITTVREIAAGSRKLDCKAEG IPTPRVLWAFPEGVVLPAFYTGRIITVHGNGSLDIRSLRXSDSV QLVCMARNEGGEARLIQVLTVLEPMKPIPHDPISSEKITAMAGH TISLNCBAAGTPTPSLVWVLPNGTDLQSGQQLQRFYHKAGMLH ISGLSSVDAGAYRCVARNAAGHTERLVSILKVGLRPEANKQYHNL VSIINGETLKLPTCPGAGQGRPSWTLFNGMELSGPQTLGRVSL LINGTLTVREASVPRGTIVCRMETETGSPVTSIPVTVIAYPPR ITSEPTPVIYTRPGNTVKINCMAMQIPKADITWELPKSHLKAG VQARLYGNRFLHPQGSLLTIQHATQDAGFYKCMARNILGSDSKT TYIHVF
6430	1946	602	RTRVSTGLRRTLLWSEAVGASSTRGDTGIPGSGEGGAGPGGGEG AMLEMAEPPSPDPPFPLEPETQPFKEKRRRTIEDFNKPCSEVLA YAGYIPPSKEESDNPASGSSPLRGESAADSGDNDAPSDLRTI QTFVKAKSSKRAAQAGPTQPGPPRSTFSRLQAPDSATLLERM KIKDSLPLDQGPVAPSLSPSTLHTSRPPAALTPVPLSQDLS HPPRKDRKXNKLPGCAGAGVGLRRPRPTPGGKRSRIKKS KKKLKAERGDRLPPGPPQAPPDTSEREREREREREREREMA TVVGGRAVPVLPPTPEAPRPPATVHPEGVPPADSESEKVGSTB TSQGDASSSGEMRVMDKIDHVESGDDSDWDLITCYCRKPPAGR PMIECSLGGTWIHLSCARIKKTNPDPFFYCKCKELRFEARRLG OPPKSGEP
6431	3	605	WNNSSYNLPAYAPYLPCBACAMQDGRKGGAYAGKMBATTAGVGR LEEBALRRKRLKALREKTGREDDKEGEPKTKHLREBERRECEKH RELRLNTYVPRDEDLKKRRVPOAKPVAVREKVKEQLRAAKPEPV IEEVDLANLAPRKPDNDLKRVDVAKKLEKLKRTQRAIAELIRER LKGQEDSLASAVDAATEQKTCDS
6432	56	1692	GGLGTMGSRKQNPETTFEVYVEVAYPTGGLSDPEVQRFPE DYSDOEVLQTLTKPCFPFYVDSLTVSQVGNFTFVLTDIDSKQR PGFCRLSSGAKSCFCILSYLPHFEVYELLNLIADYTKRQENQ WHELLETLHKLPIPDGVSVHLSVHSYFTVPDTRELPSIPENEN LTFYFVAVDVNMLHLVASHLYERRILIIICSKLSTLTACIHGSA AMLYPMYQHVYIYFVLPFHLDDYCCAPMPLYLIGIHLSEKVEN MALDDVVILNVDNTLTETPFDDLQSLPNDVISSLNRLKRVSTT

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			TGQGVARAFIAQAAPFGSYRNALKIEPEPITFCERAPVSHYR SGAMRQFIQATQIQLFKQFIDGRLDLINSGEPSDVFEENIM GRTAGSDKLYHONLSTVRKSGAILNTVTRKANPAMKTVYKFDI AENGCAFTPEBQLPKTAPSPLEAKDPKLRDRRPITVHPGQVR PPRPHVVRKPSNLAVEGRRTSVSPSEONTIATPATLHILQRSI THFAAKFPTAGWTSSSH
6433	1524	484	APVTKRKEVFAKDSKGSALDAGRDPKRPALPETLCSGWSNIA PTTPPQPGWCLCGKDPKSSCQTEGRKERRLATMHSKCSPLMLL LPLLLLVATTGPGALTDKERRLMVELHNLVYRAQVSPITASDML HMRWDELAFAFAYARQCVNGHNRKRGREGNLPATDEGMIV FLAMEBWHHREHYNLAAATCSFGCMQGHYTVVWATERIGGQ SHFCEKIQGVETNIELLVNYPNGNVKRRPYQEGTPCSQC SGYHCKNSLCEPIGSPHDAQDLPLYLVTAPSPATEASDSRRMG ARCPDKPSVVSQINSQGHVNGPILGLILLPLVLGATP
6434	40	2002	MPQLNFGMADPTOMGGLSMLLLAGEHALGTPVFSGTCTPVSSE SPLEKQKSLFQPARISSTSHSDASTKQCTTSALPQPARISSE TSQLOGAEPVKRCOKSALPQLABWCLASGEMNEESKILAKES DGGRIKLEKGEKEKEIKMEKTDTRIQRERFEKSAKENLRDS KELENFEALQIUDIMALKMEDPKIRKEBLEEDHKCSHFPDPY SASSKIIISDVPSSKDHMCHPGIMILDFPAALNKKPERLKKKK KSKMDRHGNDKSTPKTKCKRQSSSDIRSVITYIRAVAGDNG IEKLDGTPRKVETSSSGKGSILDAKPKRKVKSRKKMSKRS SDTTKESRPPDFTSISASENISGETPBGIKAEPLTPMEDALPPS LSGQAKPRDSCHRKIETCGSRKRSRSCGALYKTLVSEGLTS LRANVDRGRSSGEGNSSDHGCMNRESWTFSGTSGSKPKK TKPERDCLGSALKDEEFKPKFNSLPQYSVPTFDRKCVVPRIK KKTGNVSSRPRTSKSGCDKWSNKQLFLDAIHPTAI PSEDRPT MEPVHVKNIPIPIPTPEPTTARTFGGQPEKSKENPDYSPOQ DTQRAGYHHEVLWMTNLMNCGVYLEQLRHTANTNA
6435	2227	657	ALQDAAAAYAHPEYERPLQERTVSQINSIKLLQTRPLALPH VVKSQRPLOQVHLGRPASQPTVIRGITYKAKVSEENDIEE QDEFFSGDNGVDLLIEDOLLRHNGIATSVTRRPAATRQGSTA VTDLNARTAPWSSALPQSTSDPSIANHASVGPTLQTTSEVSPD PTRESVLQSPSPQVATVAHTATQPAAPAPPAVSPREALMBAM RTVPVPTTVRTSLGKADAPAGRTTPASPTLSPFEEDDIRNVI GRCDYLTSTITGPTTQNTYGRNECANMDPLAKDERIYVTVYY GNTLVEPELENPEQGRNSNSYKLPYSWIGTHVVTNGAFYINR AFTNIIKIDLRQRYVAAWAMLDVAYBEATPHRWQCHSDVDFA VDENGLMLIYPALDDGFSQSEVIVLSKLNADLSTQERTWRTG LERNFYGNCFVICGVLYAVDSYNQNNANISYAFDTHNTQIVPR LLPENBYPTTQIDYNPKDRLLYANDNGHQVTHVLEAY
6436	1295	341	GACRPPVRQDPDSGPDYEALPAGATVTHMVACAVAGTLEHCVM YPIDCVKTRMQSLQDPAARYRNVLKALWRIIRTEGLWRPMEGL NVTATGAGPAHALYFACYBKKTLSDVTHPGGNHILANGAGC VATLLHDAAMNPAEVVKQRMQMYESPZHRTDCVRAVWQNEGAG AFTRSYTTQLTMNVPQAIHFMTEFLQEHFPPQRYNPPSSHVL SGACAGAVAAARATPLDVCKTLTFTQESIALNSHITGHITGMAS AFRTVYQVGVTAYFRGVQARVITQIPSTAIANSVYEPFKYLIT KQREWRAGK
6437	1828	360	PPAPAPPASPARHVTRTARQHLGGSRAPPLQAVFLQIKMVK LIHTLADHGDDVNCAPSPSLLATCSLQKTIKLYSLRDPTELPH SPLKFTYAVHCCCFSPSGHILASCS TDGTVLWNTENGQMLAV MEQPSGSPVRVCQFSPBSTCLASGAADGTVVLNNAQSYKLYRCS SVKDGSLAACAFSPNGSFFVTGSSCGDLTVDDIMRCLESEKAH DLGITCCDFSSQPVSDGROGLQFRLASCGQDCQVKIWIIVEPTH ILGPELKYKSTLSGHCAPVLACAFSDGQMLVSGSVDKSVIVVD

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			<p>INTENILHTLTQHTIRYVTPCAFAPNTLLATGSMDKTVNINQFD</p> <p>LETLQCARSTEHQLKQFTEDMSERDVSFWCAQDLKDLVGIKFM</p> <p>NHIDGKEILNLTKESLADDLKTESLQLRSEVLRKIRRLTRKVK</p> <p>LSSGIPDEFICPITRELMKDPVLASDGYSEKEMENWDPKRN</p> <p>RTSPP</p>
6438	109	901	<p>EVQILRAEMFQTGGGLIVFYGLLAQTMAGFGLFVPLDQTLPLNV</p> <p>NPALPLSPGTLAGSLTNALSNGLSGGLGLTLENLPLDILKPG</p> <p>GGTSGGLGGGLGKVTSTVPIGLNNIIDIKVTDPLQLLEGLVQSP</p> <p>DGHRLYVTIPLGIKLQVHTPLVGASLLRLAVKLDITARILAVRD</p> <p>KQRRILHLVLDCTHSPGSLQISLLDGLGVLPDQGLDGLTGLN</p> <p>KVLPRLVQGVNCPVNEVLRGLDITLVHDIVMMLDHLQFVIVK</p>
6439	23	412	<p>SIQTASAITTEMASQSQGIQQLQAKKRAAEKVADARKKARRL</p> <p>KQAKBEAQMVEVQYRREEREHPQSRQQAAMGSGGNLSAEVEQAT</p> <p>RRQVQGMQSSQQRNRRVLAQLLGMVCDVRPQVHFNYRISA</p>
6440	3	517	<p>RARRNSDMGDLFGLVRLSLALRIQPNDDGFVYKVDGQRFQGNRT</p> <p>IKLLTGSSYKVEVKIKPSTLQVENISIGGVLPLELKSKEPDGD</p> <p>RVVVTGTVDTEGVTPTKSGERQPIQITMPTDICTPTVWQVKEP</p> <p>YNTERDHCQWSSPPSVIEYECKPNETRSLMWNKESFL</p>
6441	234	1373	<p>KSGGLERRQRPGRSAAVGEERLPGMKKFAAMLISSVGDALGY</p> <p>RNVCKENSTVGKICQBELQSGGLDHLVLSPEWFPVSDNTIMHI</p> <p>ATARALTIDYWCDDLYREMWRCYVRIEKLPHRRPDPATIEGC</p> <p>AQLKPNYLLAWHTPFNBKSGSPGAATKAMCIGLYWKPERLET</p> <p>LIEVSVECGRMTHNHTGFLGSLCTALFVSPAAQGEPLVQWGRD</p> <p>MLRAVPLAREYCKTIRHTAEYQEMWPFYEAQWQFYLEERKISK</p> <p>DSENKAIFFDNYDAERREYTRKMSSEGRGGRGHADPMIAYDA</p> <p>LLAAGNSWTELCHRAMPHGGESAATOTLAGCLPGLLYGLDLVVK</p> <p>GLYQDLDEKRELEDLGAALYRLSTEEK</p>
6442	34	796	<p>AEDPAGGLAQDITMFARGLKRCVGHREDVEGALAGLKTVESSYS</p> <p>LQRQSLDMSLVKILQLCHMLVPEPNLCRSVLJANTVROQEBMTQ</p> <p>DGTWRTVAPQAARRAPLDLVLSTELCRAAWQEGCAHPASGLGD</p> <p>GHTQGFVSDLCPTSAQAPRHLOSSAWEMDGFRRNRGSPHESLD</p> <p>QIFETLETQNPSCMEELFSDVDSPPYDLDVLTGMGGARPGPC</p> <p>ESLGLAPATPGPSSSCRSDDLGLDHHVEILVET</p>
6443	2	555	<p>MASPAASSVRPPRPKKEPQTLVPIKNAAREOKLKLRLMKRPFK</p> <p>AVPIPEKMSENAPRPPPEFVRDVMGSSAGSGSEFVYHHLRRR</p> <p>EYORQDYMDAMAKKQKLDAREFQKRLKXNKIAAREQTAKRREKQ</p> <p>KLKREKLLAKMKLEQKQEGPGQPKQSGSSSAEASGTEEBEB</p> <p>VPSPTNGR</p>
6444	390	899	<p>GSTPRGKMRAPTPBPKPGLIEIPFPFYHNAIVGQGYVVHLA</p> <p>PPSEVAGAGAAASVMSALTDEAIKVKELLYDVAGSDKYQVNRKD</p> <p>DKYSPLPCKIIORAEELVQGEVLYKLTSENCEHFVNEIRYGA</p> <p>RSDQVRDVIASVAGMGLAAMSLIGVMFSRNKRQKQ</p>
6445	2	753	<p>AGAAGAAGAARSPPQAHTKGVEGLPSEERSFPDGRMELAAGSP</p> <p>SEEQFWACARLQQPALAGADWQLLVETSGISYRLLDKRTGLY</p> <p>EYKVFVLEDCSPILLADIYMSDYREQWDQYVRELYEQRCNGE</p> <p>TVVYWEVKYPPFMSNEDYVYLRQRDLDMEGRKIHVILARSTSM</p> <p>PQLGERSGVIRVKYKQSLAIESDGKRGSKVFMYYFDBPGGQIP</p> <p>SWLLNMAARNGVPNFKDMARACONYLEKT</p>
6446	1	1651	<p>RCPTSPFPDTPGSRGTTAMCSLAGATGGRGAVENEDLPLRLS</p> <p>DSGDEAAWEDDDADLPKCKQQTPLPCNRLFTSAERTPSHCKS</p> <p>EHQNTDSMVHKHGLEFYGYIKLINPILKKNPTVEYMNSIYNPV</p> <p>PWEKERYLKPVLDDILLQFDVEDLYEPVSVFFSYPNGLSENTS</p> <p>VVEKLKHEARALSAEALARAREDLQIMKQFAQDFVMHTDVRT</p> <p>CSSSTSVIADLQEDDGVYFSSYGYHREMLDKKIRTESYRD</p> <p>FIYQNPFIKDKXVLDVCGCTGILSMFAKAGAKKVLGVQDSSEI</p>

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			LYQAMDIIIRLNKLEDTITLTKGKIERVHLFVERVDVVISWMCY FLFESMLDSVLAKNKYLAKGGSVYPDICTISLVAVSDVNKHA DRIDAFHDDVYGFMSCKKAVIPEAVVEVLDPKTLISEPCGIKE IDCHTTSISDLFPSSDFTLKITTSMTALAGYFDIYPERNCHN RVVFSIGPQSTETHNKQTVFLLEKPFPSVXAGEALKGKVTVHKNK KDPBSLTVTLLNNSTQTYGLQ
6447	1554	1068	RLGPAEWHLSGPGCHATLGAANRGRALGVEAANRGAFLCORVMP SKINLATGIPSSKVKYSRLSSDDGYIDLQPKRTPPKIPYKALA LATVLFILGAPLIIGSLLSGTISKGGADRAVPVLIIGILVFL PGPYHLRIATYASEGYRGYSYDDIPDFDD
6448	74	559	QCVLSHCYHYRSSRWRRGGLSRGRGAGVMALVPEYBETTFGLQK FHKPLATPSPFANHTIQIRQDWRHLGVAAVVWDAIVLSTYLEMG AVELRGESAVELGAGTGLVGIVAALLACRIRYERDNNFLAMLER QFTVRVHYDPEKDVHYIEAQKRNKEDL
6449	597	1876	EYGVCEMLRKLRTGVSCEDVYAKLHRYHTLGLWQPDIGPYG GLLEVVVDGLFIIGMYLDPHDPHVDPMRPKPLPRIHLMERKA ATVECHYGRKSPREHGIQIVKKDPSTKCNQTDHHRMSGGROBE FRNLREEWCRTELDIFHEHMDLILMKPIYTSQVENCILTYRRI YLPFSRFDLLIKPLPKGTYSGLKIVNLSFHGRARGTKITG DPNIPAGQQTVKIDLEHRIQLPDLENQRNPNBLSRIVLEVRRV RQEQQGGHEAGEGRGRGQGPRESQPSPAQPRABAPSKOPDGTG EDGGEPGAATAAQAQPAQCGQGPVFLVGVSSRNEDYPTCRM CFYGTGLIAGHGFTSPERTPCVFIIPDRDRFGFVWLELKSFSLY SRVQATFRNADAPSPQAFDEMLNKIQSLTS
6450	848	269	FVAPDRTVSGKRSLPGWEERREGGRQRTGREFFSNGGRAVEAAR MRLLGLWLWLSLLKVLQAQTPPLPLPPMQSFQGNQPGQENP VLGLAGNTPRPEHALLNAFTATPLSDGRFEVWNAMTRGQHC DTHSVLIPAAQPGQFTVDHRVWTRQAGRPODQPAQQLVAAS RDAGPVHLPQSSGPIQ
6451	232	939	HSPTDPTSPRASTMDVLEKFPPLPCKEDAEHWTFMRRNQBE ILPGLFLGPYSAMSKLPLVQKQGITHIICIRQNTBANFIKPN FQQLFRYLVLDIADNPEVNIIRFPPTKKEFDGSLQMGKVLVH GNAGISRSAAFLVAYIMETFGMKYRDAPAYVQERRFCINPAGP VHQLQFYBAYILAKLTIQMSPLQIERSLSVBSGTTGSLKRTHE ERDDFGTMQVATAQNG
6452	1	652	RTRGESSNMEPLAAYPLKCSGPRAKVPFVLLSIVLCTVTLPLQ LKFLPKKINSFYAPEVKDAGRTVSLKYNKRVSLVNVASDCQ LATRNYLGLKLEKFGPSPHFSVLAPPQNQPGSEPRPSKEVES FARKNYGVTFPIPHKIKILGSEGBAFRFLVDSSKKEPRNFWK YLVNPEGQVVKFWRPEPPIEVIRPDIAALVRQVILKKEDL
6453	827	223	HRENLPGLSMSPRRTLPRLSLCLSLCLCLAAALGSAQSGSC RDKENCKVVFSSQQLKRLTLPQYHVTOEGGTESAPEGEYTHHK DPGTYKCVVCGTPLPKSETKFDGSGGWPSFHDVINSRAITPTDD PSYGMHEVETSCSQCAHLGHIPTDGPRTGKRYCINSAALSPT PADSSGTAEGGSGVASPAQADKAEI
6454	827	223	HRENLPGLSMSPRRTLPRLSLCLSLCLCLAAALGSAQSGSC RDKENCKVVFSSQQLKRLTLPQYHVTOEGGTESAPEGEYTHHK DPGTYKCVVCGTPLPKSETKFDGSGGWPSFHDVINSRAITPTDD PSYGMHEVETSCSQCAHLGHIPTDGPRTGKRYCINSAALSPT PADSSGTAEGGSGVASPAQADKAEI
6455	1042	173	RVHLATVSASAAWDALGLFVRSHMQGSTERMGVMVDVHRRFLQL LMTGVLLENDVKRLQTHCYKVHNRNATVDKLEDFININSVLE SLYIBIKRGVTEDDGRPIYALVNLATTSISKMATDFAEKELDLP RKALKLIDSBTGFPASSTNIIIMLVDLKGGKMRKKEBQVLQKP VQNKWLEKEGEFTLNGRAILEMEQYIRETTPDAVKICNICHSL

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			LIQGQSCSTCGIRMHLPVAKYFQSNAEPRCPHCNDYNPHRLPK VPDPEKERESGVLEKSNKSLRSQH
6456	2	555	RPQSRISIMWRNSLLQVSSGLEWLEVCAMVDILCRRHLVTCKDA TVBAEALQNKVVALYPAAARCAPSRDPTFLICDPYALVAEAR VPAPFEVVPVSDGSSQEMLDPMKELHGAWLALPFDPTREHAR KRYNVTAIPELVIVKQNGEVITNKRKQIRERGLACPDQWVEAA DIFQNFVS
6457	23	892	PTTGPFVTNPPMNNPDGKPPIMILYVSKINKYIHFPDPDKKIPV KLFPPLLYVGNHISGLSSTSKLSLPMPTVLRKFTIPLTLLET IILGKQYSLNIIISVFAIILGAPIAAGSDIAPNLEGYIPVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACPMIIPILIISVSTG DLQATEPNQWKNVVFILQFLLSCLFGLMYSTVLCSTYNSAL TTAVVGAIKRVSVAYIGILIGGDYIFSLNPFVGLNICHAGGLRY SPLTLSSQLKPKPVGRENICDLKS
6458	23	892	PTTGPFVTNPPMNNPDGKPPIMILYVSKINKYIHFPDPDKKIPV KLFPPLLYVGNHISGLSSTSKLSLPMPTVLRKFTIPLTLLET IILGKQYSLNIIISVFAIILGAPIAAGSDIAPNLEGYIPVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACPMIIPILIISVSTG DLQATEPNQWKNVVFILQFLLSCLFGLMYSTVLCSTYNSAL TTAVVGAIKRVSVAYIGILIGGDYIFSLNPFVGLNICHAGGLRY SPLTLSSQLKPKPVGRENICDLKS
6459	23	892	PTTGPFVTNPPMNNPDGKPPIMILYVSKINKYIHFPDPDKKIPV KLFPPLLYVGNHISGLSSTSKLSLPMPTVLRKFTIPLTLLET IILGKQYSLNIIISVFAIILGAPIAAGSDIAPNLEGYIPVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACPMIIPILIISVSTG DLQATEPNQWKNVVFILQFLLSCLFGLMYSTVLCSTYNSAL TTAVVGAIKRVSVAYIGILIGGDYIFSLNPFVGLNICHAGGLRY SPLTLSSQLKPKPVGRENICDLKS
6460	23	892	PTTGPFVTNPPMNNPDGKPPIMILYVSKINKYIHFPDPDKKIPV KLFPPLLYVGNHISGLSSTSKLSLPMPTVLRKFTIPLTLLET IILGKQYSLNIIISVFAIILGAPIAAGSDIAPNLEGYIPVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACPMIIPILIISVSTG DLQATEPNQWKNVVFILQFLLSCLFGLMYSTVLCSTYNSAL TTAVVGAIKRVSVAYIGILIGGDYIFSLNPFVGLNICHAGGLRY SPLTLSSQLKPKPVGRENICDLKS
6461	1653	360	LQQTLLRTAVGTHPIAWHAWETSLGAFYGPASFTFVNOMYF LSIFTQLKHPERKYELKEPTKEQORLAANENGEINHODSMGLS LITSALENEHTFBQQLGASLTLLLYVALMMFGALAVSLYYPL DLVFSFVFGATSLSPSAFTPVVHCVHREDVRLAWIMTCCPGRSS YSVQVNVQPPNSBOTNGEAPKCPNSAESSCTNKSASSFPKSSQ GCKLTNLOAAAQCHANSIPLNSTPQLDNLTEHSMNDIKMHV APLEVQFRTNVHSSRHKNESKGRASRLTVLREYADVPTSVE GSVQNGLPKSRIGNEGHRSRRAYLAYREROYNPPQDSSDAC STLPKSSRNPFKPVSTTSKEDALRKPAVVELENQOKSYGLNLA QNGPIKSNQCEGPIIGTOSTGNVRTGLNKHETT
6462	3	773	SERLDREKKLKEDSPKKTNNKESGVPSLPVSLTSIKESPKRAKH PDSQSMERSKLQNDKCTPVNWRDSRGTRVAVSSPMSQHSYIQ YLHAYTPQMYDPSHPAYRAVSFVLMHSTPGAYLSFGPHYFVYG KMSGRETEKVNTPSVNTKTTTESKALDLAQHARQYRSKSPA PVEKATAEREREARERRDRHSPFGQRLHHTHHTHVGMYPLIP GOYDPFQGLTSAALVASQVAAQASAGMPPGQRR
6463	2	350	VILCILGGNIFKNADRSMEKKKEPRTRAEARPVVDEDLKSSD LHQAREDADEWQESBENVHIIFFSHNHYPEKEMVKRSQEFYLL NKRRSVRPISNEQVPMVEIINVIRTAGL
6464	12	1154	GILRQKREERNRIHKRILFLSHLLVVPSEMSSLSGKVQTVLG

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			<p>LVEPSKLTORTLTHERLANTFDCCYCPFPQCEAISKBPVUMKNL YNIQKNAYSHKENLQNLQETRAIKKELLYFKANGGALVENTTT GISRDTQTILKRLAERTGVHIISGAGFYVDATHSSETRAMSVEQL TDVLMNBIHLEAGDGTSEKGIIGEIGCSNPLTESRRKVLQATAH AQALGICPVIHPPGRSSRAPFQIIRILOAGADISRTVMSHLDR TILDKRELLRPAQLGCTLYDLPGTELLHYQLGPDIDMPDENR IRRVRLVVEGCEDRILVANDIHTKTRIMKYGGHGYSHILTNVV PKMLRGITENVLDKILIEHPKQWLTFR</p>
6465	126	1396	<p>EMTVFFKTLRNNHKKTTAGLCILLWGGHNLGKHCMDLLRRAC QRAQVFGNQLIPPAQVVKATVFLNPAACGKARTLFEKNAAP I LHLSGMDVTIVKTDYEGQAKKLLKLEMTDVIIVAGDGTLOEV VTGVLRTDEATFSKIPIGFIPLGETSSLSHTLFAESGNKVQHI TDATLAIVKGETVFLDLVLQIKGEEQPVFAMTGLRWGSPRDAV KVSRYWLEPLKIKAAHFFSTLKEWPYTHQASLSYTGTERPPN EPERTPVDRPSLYRRILRLASTYNAQPDALSQEVSPFVWQVQ LSTIELSITTRNQDPTSKEDFLNICIKFDTISKGDFITIGSR KVENPKLHVGECELOASQCTLLIPEAGGSSSIDSEYRAMPV EVKLLPRKLPFCDFRKEQMLTSPTQ</p>
6466	1134	828	<p>VARETSLQLEAHPADMGRRKSKRPFPKKMTGTLETQFTC PFCHEKSKCDVMDRARNTGVISCTVCLRRPQTPTITLSBPVDV YSDWIDACEAANQ</p>
6467	301	2571	<p>GEIRVLALAHGELACHAVLTASLLSRSLMDSMDYERPNVET IKCVVVGDNVAGKTRLICARACNATLTQYQLLATHTVPTVWADQ YRVCQVLEERSRDVDDVSILRLNDTFGDHKKDRFAYGRSDV VVLCSFIANTPESLHVKTMYFELKHPCPRAPVILVGCQLDLRY ADLEAVNRARRPLARPIKPNELPPEKREVAKELGIPYVETSV VAQPGIKDVFONAIRALISRRHLQFWKSHLRNVQRPLQAPFL PPKPPPIIIVVDPSSSSHECPHLLLEDPLCADVILVLQERVRI FAHKIYLSTSSSKFYDLFLMDLSBGRLLGGSPBGGTHPEDHGH SQDBHHHHHHHGGRDPLLRASFDVCSVDREAGSGPAGLEAST SDGILLRGNGTGYLPGRGVLESSWSRAPVSIQBEAEDPLTYKSR LHVVVMDSSIQPGPRAVLKYLTYGELDENRDLMLIAHLAKL LEVFDLRMMVAVILNRAFMNQRTITKAFHVRRTNRVKECLAKGT FSDVTFILDDGTISAHKLPLISSCDWMAAMPFGPPVESSTREVV PPYTSKSCRAVLEYLYTGMFTSSPDLDMDKILILANRLCLPHL VALTEQYTVTGLMEATQMVDIDGDLVLFLELAQFHCAYQLADN CLHHICTNNVNCRKPRDMKAMSEENQYFPEKRNPPVWYLKE EDHYQARKERREKEDYLHLKRPKRRWLFNNSPSSSSSAASS SPSSSSAVV</p>
6468	3	1374	<p>DAAAGTNMAALAFVGSASRGPRLAAGLRLLPMLGLLQLLAEPG LGRVHHLAKDDVRHKVHLATPGFFKQGYMVNVSSLSLNEPED KDVITIGSLDRTKNDGFSSTLDEVDNYCILKQSVSVTLILD I SRSEVRVKSPPFAGTQLEPKIIFSRDEKVLGQSQBPNVNPASAGN QTQRTQDGGKSKRSTVDSKAMGKSPSVHNGGAVSPQFFFNIS TDDQEGLYSLYFHKCLGKELPSDKFTPSLDTETKNDPSYLSA GRIPLPKLYTSMAPFFFLSGTTWHLILRRKRDVFKIHWLMAAL PFTKSLSLVFAIDYHYISSGFFPIEGRAVVVYTHLLKGALEP ITIALIGTGWAFIKHILSDKDKLPMIVIPRRVLANVAYITIES TEEGTTEYGLKRDLSPLVDLLCCGAILPPVWWSIRHLQBASATD GKGFPSRAHFVLLSL</p>
6469	3	1374	<p>DAAAGTNMAALAFVGSASRGPRLAAGLRLLPMLGLLQLLAEPG LGRVHHLAKDDVRHKVHLATPGFFKQGYMVNVSSLSLNEPED KDVITIGSLDRTKNDGFSSTLDEVDNYCILKQSVSVTLILD I SRSEVRVKSPPFAGTQLEPKIIFSRDEKVLGQSQBPNVNPASAGN QTQRTQDGGKSKRSTVDSKAMGKSPSVHNGGAVSPQFFFNIS TDDQEGLYSLYFHKCLGKELPSDKFTPSLDTETKNDPSYLSA</p>

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			GEIPLPLYLISMAFFPPLSGTINIHILKRRRNDVFKTHWLMAL PPTKSLSLVPHADYHYISSQGFPIEGWAVVYTHLLKGALLF ITIALIGTGWAFIKHILSDKDKKIFMIVIPRVLANVAYITILS TEEGTTBYGLWKDSLPLVDLLCCGAILFPVVWSIRHLQASATD GKCKPSRAHFVLLSL
6470	2726	1437	AAASGVSSRADAPVLAQSPASAGNGRPFSTRVPGSRHPSAPRS CPLPREDCRTPGPQLPLPGALLRPRTLLSSAARTGRSEHFDY QHPSSGGRCRGGTSPSSAAGRPAASAEEDCHSDTVRADODE EESPAETDLQAQLQMFRAQNFELAPGVSSNLENPCRAARG SLQKTSADTKGQBOAKKELFLKAVEEBQNGALYBAIKFY RRAMQLVPDIEPKITTSRPGDGVGNSYIEDNDODEMADLLS YFQQQLTFQSVLKLCPRELESSQIHISVLEVMYIIFRWVVS SDLDLSLEQLSLVCRGYYICARDPEINRLACLKVGRCIKLV PYTSNREMPLEPRVFDGVYISKTTYIRQGEQLDGFYRAWHQ VEYYRYIRFPDGHVMMLTTPERPQSIVPRIETR
6471	1750	299	FFPDKMARGSGVGGRSSKSDADSGFLGLRPTSDPALRRRRR GPRNKCRGWRLAQBPGLGLEVDQFLEDVRLQERTSGGLLSEAFN EKLFPVDTSKSKKGLTKORTKVQKESLLKKPLKVDLILENTSK VPAPKDVLAHQVFNAKLRKESQLEKELAKQGLPRVRRQAAR LLNPSATRAKPGQDPTVERPFYDLWASDNPLDRPLVQODEFPLB QTKKGVKRPALHTKPSQAPAVEVAPAGASTNPSPEHQTLIS AAHEVELQRKRAKLERQALAPATEQAATQHSSTFQELCEGLLE ESDGEQEPQGGEGPEAGDAEVCPTPARLATTEKTEQORRREKA VHRLVQQAALRAARLEHQELFRLRGIKAOVALRLAELARRQR RQARREAEADKPRRLGLKYQAPDIDVQLSSKLTSLRLTKPEG NILDRFKFSFORNMIEPRERAKFKKRYKVLVEKRAFREIQL
6472	3	897	SGSDRAQWAMEPFFDVALPPERITVLDQHLRPPARRPGTTTP ARVDLQQINTIIDHIGKASAKAONLSAPITTSASRMQSNRHVVY ILKDSGARPAKGAIIGFIKVGKYLFLVDDREAHNEVEPLCIL DPYIHESVQRKHGRELQYMLQKRVSEPHOLAIDRPSQKLLKF LWKEYNLETTVPQNNFVIFEGFFAHOHRPPAPSLRATHSRRA AVDFTPAAPARKLPKRAEGDIPKPYSSDREPLKVAVEPPWPLN RAPERRATPAHPPRSSSILGNSPERGFLRPFPVP
6473	22	912	SSAVEFVNEGRMAAEFNTETITLFRRLRAVPTNKACFDGAK NPSMASITYGVPLCIDCSGVHRSLOVHLSFIRSTELDSNNWFO LRCHQVGGNANATAFPRQRCCTANDANTKINSRAAQMYREKIRQ LQSAALARHGTDLWIDNMSSAVPNHSPKQSDFFTBHTOPPAN DAPATEPSGTQQPAPSTESSGLAQPHGFNTDILGTSFKASLEL KSSYIGKKKPAAKKGLGAKKGLGQKVSQSFSKIERQAQVAB KLREQAADAKRQAESMVASMLAYORLOIDR
6474	3	462	LQRQRQHPAAAPAVPVRCTPCTFDIVIMPKRKSPEBEGKDS KVTQKEPTRRSARLSAKPAPPKPEKPRKTSAKKEPGAKISRG KGGKEEKQAGKEGTAPSENGETKAEITHISRSTVNVSTSRGTP PSTLSVKQIETVRVKGSTN
6475	3	462	LQRQRQHPAAAPAVPVRCTPCTFDIVIMPKRKSPEBEGKDS KVTQKEPTRRSARLSAKPAPPKPEKPRKTSAKKEPGAKISRG KGGKEEKQAGKEGTAPSENGETKAEITHISRSTVNVSTSRGTP PSTLSVKQIETVRVKGSTN
6476	106	1090	ARAMAQYKCTMRAGRAMHLLKRRERQEQMEVLKQRIAREBTIL KSQVDERFSAHYDAVBAELKSSTVGLVTLNMDKARQALVRERE RQLAKROHLREQLQOERQRRQEQRRERKIKISLSPALDLDLDD QADAAEARRAGNIGKNDVDTSFLPDRDREREENRLREELRQEW EAQREKVEDEEMVTFPSYWDGSGHERTVRVKGNVQQLKEAL QGLRKDFLELSAGVEQLMFTKEDLILPHYHTFYDFIARARGK SGPLFSPDVHDDVRLLSDATMBKDESHAGKVVLRSWYEKNKHIF PASRWEAYDPEKWKDYKTR

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6477	227	915	LQGHLMGINAASRPLSRFWNGENIVCVGENYADHVEEMRS AVL SBPVLFLRPSTAYAPGSPILMPAYTNNLHHLELCVVMKRCR AVPEAAANDYVGGYALCLDWTARDVQDECKRGLPWTAKSPTA SCPVSAPVFKKIPDPHKLKMLLVNGBELRQGETSSMIFSIPI IISYVSKIITLREGDIILGTTPGVGPVKEDEIEAGIHGLVSM TFVVERPEY
6478	2	1495	FVSSRIPLPESLASSHASTLEAMGRKREDDCSSWKKQTINIRKTF IFMEVLGSGAPSEVFLVKQRLTGKLFALKCIKSPAFRDSLEN RIAVLKKIKHENIVTLEDIYESITHYLLVMQLVSOGELPDRILE RGVYTKDASLVIQQVLSAVKYLHENGIVHRDLCPENLLYLTPE ENSKIMITDPGLSKMEQNGIMSTACGTPGVAPFVLAQKPYEKA VDCWSIGVITYILLGYPFPYEETBSKLFERIKEDYYRPFSPFW DDISEBAKDFICHLEEDPNERITCEKALSHPWIDGNTALHROI YPSVSLQIQKRFPAKSKWRQAFNAATVHEMRKLMNLSHSPGVRP EVENRPPETQASSTRPSSPEITITTAFLVLDHSVALPALTQLPC QGERPTAPGGSLNCLVHSGSLHSSSLVPMHQGSLAAGPGCC SSCLNTGSGKSSYCSBPTLLKXANKRQNFSEVMVPPVQASGSS ECRAGTGVCLIM
6479	3	949	SCRCPCHDPAGGQACAMELLSALSIGELALSFSRVLPFPVFLS YPIVSLYLYKTEPGAVELSRRIPIASNLCAMLHCFGSYLLADLL LGBPLIDYPSNNSSILLASAVNYLIPFCPLDLFYKCVCFPLPVKL IPVAMKEVVRVVKLAVGIIHBAHNYHNGWVNIATGVWKGSGVA LMSNPEQLLRGVNKPETNEILHMSFPTKASLYGAILFTLOOTRW LPVSKASLIPITFLPMVSKVPLTATHSHSSPFDALGYICPVL FGSACGGDHHDHNGGSHSGGGPGAQHSAMPKSKKELSEGSRK KKAKKAD
6480	192	514	DFMSTYFPIHCPDYLSAKMTVMNNTQPMERIGLSPRKDGLSY QLFPDPSDFRCCLKDRLPISIVVRPTGEHVESGELRWTFEEFL VQRDEBQDNCESTARENKEQ
6481	110	1131	KSRMDLDVVMNFIAGGTLAIPILAPVASVILWPSALIRIYYWY WRRTLGMQVRYVHHEDYQPCYSFGRPGHKPSILMLHGFSAHD MNLGVVKPLPKMLHLVCDMPGHEGTTRSSLDLSIDGQVRIH QFVECLANKKCPFLVGTSMGGQVAGVYAAIYPSDVBSLNLVCP AGLQYSTNQFVQRLKELQGSAAVEKIPILIPSTPEEMSEMLQLC SYVRFKVPQQILQGLVDVRIPEHNFYRKLPBIVSEKSRYSLEQ HMDKIKVPTQIINGEQDQVLDVSGADMLAKSIANCQVLELNGG ESVVMERPREKTARLIIDFLASVENTONNKILD
6482	2517	568	KPVSKVSQSERKAGVPTANTHESQAVEAAMNVPMAEVCERFQA ALALSRYVLEKRNPEKEPYKSKYSARALLKRVKALLCPAPEDDE RPEAKDGPAGDEALGLPAEVVEPEGVPAQRAVRLAVIEPHLGV NHIDTEKLSAGREHLVKCLALLRRYRLSHDCISLICIQAQNNLGI LNSEREEISTAQAYLESSEALYNQYMKVGSPPLOPTERFLPER EKLTEQERSRPERKVYTHNLYLAQVYQHEMFKAANYCHSTL ERQLEBNAYPIEWAINAATLSQFYINKLCPMEARKCLSAANVI PGQTGKISATEDTFEAGEVPELYHQRKGEIARCIKYCLITLQ NAQLSNQDNIGELDLDKQSELRALRKEKLEDEESIRKAVQPGT GELCDASIAVERKVSYLRLPDPFEAREHFLGLQHYVFAKEFPQ IDGYVTDHIEVVQHSALFGLAPFETDMERRCKMERRIAMLE PLTVDLAPQYLLVNRQIQFBIAEATYDMDLKVAIADRLRDPD SHIVKKNLNLKSAKYYQLFLDLSLDPNKPFPHEHIGEDVLRPA MLAKFRVARLYGKLIITADPKLELENLATSLEHYKFIVDYCEKRP EAKQSEVELBLSKENVSLPTKMERFRTEKALT
6483	3	623	NSHLGLLAPAPLSANGREARERQLAEFRAARKRAGLAAQP PAASQGAQTFGEKAEAAATLKAAPGHLKRFVVKRPASARAQP GLVQRAAQPGSTSBTPNNTAIPLPSCWDQSFLTNITFLKVLW LVLLGLFVLEFLAYFVLSLPYWMTVGTRGPBEKKEGKAYS

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6484	201	965	VFNPGCEAIQGTITAEQLEREILQLRPLAGE QLAVKTEMSGILRPTQVDPEIELPVKAGSDGESIGNCPCFCQRLP MILNLGKGVKFNVTITDMTRKPERLEDLAPGTNPPLVYNKELET DFIKIEEFLGQLAPPYRPHLSPKYKESPDVGCNLPKAFPSAYTK NQQEANKNPFERSLLKEPKRLDDYLTNTPLDEIDPDSASEPPVS RRLFLDGDQLTLADCSLLPKLNTIRVAAKTYRDFDIPAEPSGVW RYLHNAYAREEFTHTCPEDKEIESTYANVAQKS
6485	6	1091	FVDLVRVAYFLPCPDSQKLEKKEQSSERSSGSGNSMRSTLREDER DREPPHVLVYHEPSPFVGMVWHKHKYFPWPAVVSVEQRDK KASVLYIEGHMNPKEGFTVLSLEKHPDCKEKQTLLEQAREDP NODIGKCVSLITDYRVRIGCGSFAGSFLBYAADISYPVRSIQ QDVLGTLPLQSLKSGSPKPPVVGCPGQRPCKRMPLPDRSRAARD RANQKLVTYIGRARGAESHLRAILKSRKPSRLQTLFLSSQYVT CVETYLEDEBQDLVLVVKYLGQVYQHVGAQLQRTNGDRIRFLD VLLPRAIICASAGDEVDYKTAERKYTKGPSLSYREKRIFDNQL LEENRRRR
6486	10	581	LVLQAGCAHLSPSKVTQGIYVMLAFSEMDKPPDYSELSDSLTLA GGTGRFSGPLERAMNMFQRMGWIGVGLYLLASAAFPYVFE ISETYRLALEHIQCHPEEPLGGTINTBSLEAQLLSLPFWMTV IFLVPTLQMLPLYSCTRADPTVGYCITPICLAVICNRHQAFV KASNQISRLQLDT
6487	352	863	SPLKPLRGKMSVTLHTDVGDIKIEVFCEKTPKTCENFLALCASN YYNGCIFHRNIGKFMVQDPTGTGRGCSINGKKPEDEYSYL KHNVRGVSNMANGPNTNGSQPFTTYGKQPHLDKMTYVFGKVID GLETLDELKLPVNEKTYRPLNDVHIKDITIHANPFAQ
6488	878	241	TALQEPCTEQPLSLRFPALPSGTGRFKPLFGARGPSWPPSPRPV MBPPNLYFVRLVYDLSKGLARLSPIMLGKQLEGIMHTSIVVH KDEFFPGSGGIESCPFGGTLGLGPPDSVVDVGSSTEVTEIFLEYL SSIGRSLFRGRAYNLEPHNCTFSNEVAQFLTKRKPISYITDLP SEVLSTPPGQALRPLDLSIQIQPPGSSVGRFPGQS
6489	1457	375	KVAKMATALSERELNEDYISLNVRRRASSBELKAAYRRLCML YHPDKHRDPBLSQARLFWLHQAYEVLSDPQTRAIYDIYGR GLEMBGNVVERRTIPARIRREBFRLQREERERLQORTHPRGT ISVQVDATDLFDRIYDEYEDVSGSSFPQIEINKMHISQSI EAPL TATDTAILSGSLSTQNGGGGDNFALRRVTSAGWGLEPFGAG DLQGPLFGLKLPFNLTFRCFVTINCALQFSSRGIRPGLTTVLAR NLDKNTVGYLQWHCSSPFLQVORPHENTRACAPSPSPFLFVP TWDAKCSGARTPSTANTSAAVKLRACLSGPGSGSHQLLLTFR SKRRTGGG
6490	3	1183	HEAGCEVNLGYGPRAAAAAATVLFGGAGPTETMFVARSIAADH KDLIHDVSPDFHGRMATCSSDQSVKVDKSESGDNHCTASWKT HSGSVNRVTMAHPEFGQVLASCSPDRTAAVWEIIVGESNDKLRG QSHWVKTTLVDSRTSVTDVKFAPKRMGLMLATCSADGIVRIYE APDVMNLSQMSLQHEISCKLSCSCLSWNPSSSRARSPLIAGSD DSSPNAMAKVQIFPYNENTRYAKAETLMTVTDPVHDIAPAPNL GRSFHILAIATFDVRIFTLKPVREELTSSGGPTKEIHIVAQFD NHNSSQVWRVSWNITGTVLASSGDDGCVRLNKNYMDNWXCTGIL KNGCSPVNGSGGQGTENPSLGSHIPSLQNSLNGSSAGRKHS
6491	3	1183	HEAGCEVNLGYGPRAAAAAATVLFGGAGPTETMFVARSIAADH KDLIHDVSPDFHGRMATCSSDQSVKVDKSESGDNHCTASWKT HSGSVNRVTMAHPEFGQVLASCSPDRTAAVWEIIVGESNDKLRG QSHWVKTTLVDSRTSVTDVKFAPKRMGLMLATCSADGIVRIYE APDVMNLSQMSLQHEISCKLSCSCLSWNPSSSRARSPLIAGSD DSSPNAMAKVQIFPYNENTRYAKAETLMTVTDPVHDIAPAPNL GRSFHILAIATFDVRIFTLKPVREELTSSGGPTKEIHIVAQFD NHNSSQVWRVSWNITGTVLASSGDDGCVRLNKNYMDNWXCTGIL

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6492	34	2573	<p>RGNGSPVNGSSQGTENPSLGSNIPSLQNSLNGSSACRKH</p> <p>IPFLKSCCCCLFDFPPFPPLDQVQRECEKVERVTEHGTPKPFRK</p> <p>PDSVAPGCSQSEDEQFENDLETDPPHNQQLVBRREVLLGLKPCBI</p> <p>KRQEVINELFYTERAHVRLTKVLDQVFYQVRSREGILSPSELARK</p> <p>IPSNLEILQLHIGLNEOMKAVRKNETSVIQIGEDLLTWFSG</p> <p>PGEEKLKHAAATPCSNQPPALEMKEKROKDSRFQTFVQDAEN</p> <p>PLCRLQLKDIIPTOMQRLTKYPLLLDNATYTWPTREKVKK</p> <p>AADHCRQILNYVNAVKEAENQRLDYQRLDTSSLKLSYFN</p> <p>VEELRNLDLTKRMGLHEGPLVHKVNRDKTDLYTLLEDILVLL</p> <p>QKQDDRLVLRCHSKILASTADSKHTFSPVVKLSTVLVRQVATDN</p> <p>KALFVISMDSNGAQTYELVAQTVSEKTVMDLICRMAASVKEGS</p> <p>TKPILPQSTPQBGDNDDEDPKLEKEQHCISVTGLQSPDRDLG</p> <p>LESTLISKRQSHSLSTSOKSEVRDLFVAERQPAKEQHTDGTLK</p> <p>EVQEDYQIAIPDSHLFVSEERHALDALRNLGLLEQLLVQGLLT</p> <p>EKSVQEDWQHFPKYRTASQGPQDTSVIONSENTIKAYHSGEGHMP</p> <p>FTGTGDIATCYSPRTSTESFAPRDSVGLAPODSQASNLVMDH</p> <p>NIMTPEMPTMEPEGGLDSDGEHVFDAEAREHSDENPSEGDGAVNK</p> <p>EKKOVNLRISGNYLILDGYPVQESSTDEKVASLTLQPMTGIP</p> <p>AVRSTHQQHSPOHNSDGAISPTPEFLVQQRWAMEYSCEFI</p> <p>QSPSSCADSQIMRYTHKIRADLHLKKVRESYTLQRLAGS</p> <p>ALTDKHSKKS</p>
6493	557	1147	<p>TPARMAYQGSSTSDCMKTLDSASAHFAASAVVSAPVPSRSEVA</p> <p>KEQSTGHNNINGVQPSGTSKTLYSNNMALLSSPGISAVQLVKT</p> <p>VGHITTNELIPALCTSSPQTLPMNNCLTNAVHNNVSVVSPVN</p> <p>VHINTRTSAPSPALATVAASMDRVKVTSSAISSTIARENH</p> <p>EPEKELGLNGIARTTVAMKVT</p>
6494	2425	1052	<p>AVAGGARPCSTPSSPHRRCCRHRPRPLPRPPAAINSASAVVLD</p> <p>LKGVLIICRNYRGDVMSEVHEHMPILMEKEEGMILSPILAHGG</p> <p>VRPMWIKHNNLYLVATSKKNACVSLVFSPLYKVQVQVSEYFKEL</p> <p>EEESIRDNFVITIELLOELMDPGYPQTDSKILQBYITQEGHKL</p> <p>ETGAPRPPATVTVNAVSRSEGIKYRKNVFLDVIRSVNLLVSAN</p> <p>GNVLRSEIVGSIKMRVFLSGMPELRGLNDKVLFDNTGRGKSKS</p> <p>VELEDVFKQCVRLSRFENDRTISFIPPDGEFILMSYRLNTHVK</p> <p>PLIWIERSVIEKHSHSRIBYMIKAKSQFKRRSTANNVEIHIPVN</p> <p>DADSPKFKTTVGSVKNVPENRIVNSIKSPGCKEYLMRAHPGL</p> <p>PSVEADKRGKPPISVKPEIPIYFTTSGIQVRYLKIIEKSGYQAL</p> <p>PWVRYITONGDYQLRTO</p>
6495	2425	1052	<p>AVAGGARPCSTPSSPHRRCCRHRPRPLPRPPAAINSASAVVLD</p> <p>LKGVLIICRNYRGDVMSEVHEHMPILMEKEEGMILSPILAHGG</p> <p>VRPMWIKHNNLYLVATSKKNACVSLVFSPLYKVQVQVSEYFKEL</p> <p>EEESIRDNFVITIELLOELMDPGYPQTDSKILQBYITQEGHKL</p> <p>ETGAPRPPATVTVNAVSRSEGIKYRKNVFLDVIRSVNLLVSAN</p> <p>GNVLRSEIVGSIKMRVFLSGMPELRGLNDKVLFDNTGRGKSKS</p> <p>VELEDVFKQCVRLSRFENDRTISFIPPDGEFILMSYRLNTHVK</p> <p>PLIWIERSVIEKHSHSRIBYMIKAKSQFKRRSTANNVEIHIPVN</p> <p>DADSPKFKTTVGSVKNVPENRIVNSIKSPGCKEYLMRAHPGL</p> <p>PSVEADKRGKPPISVKPEIPIYFTTSGIQVRYLKIIEKSGYQAL</p> <p>PWVRYITONGDYQLRTO</p>
6496	247	559	<p>LRAVSLPLQLVLPYISHSLEPCIMFLCAQENLTGLNVPLLFY</p> <p>HFWRYPHCPADSSRLAYDPPVVMADTLSCQKEAWCKLAPYLL</p> <p>SFTYLYLCHITLVSS</p>
6497	1053	352	<p>ANTQICRLCPRRHLPFGAKMGNGTERDYNFVKVVLIGESGV</p> <p>GKTNLLSRPTRESESDRTTIGVEPSTRTVMLGTAAVKAQIWD</p> <p>TAGLERYRAITSAAYRCAGALLVFDLTHQTYAVVERHLKELY</p> <p>DHAEATIVVMLVGNKSDLSQAREVPTBEARMFAENNGLLFLETS</p> <p>ALDSTNVELAPETVLEKIFARVSRQRQNSIRTNATLGSQAQAGQ</p>

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6498	2636	272	<p>EPGPGERRACISL</p> <p>SLRLCPWGTLAGPTIMRLSSLLALLRPALPLILGLSLGCSLSL LEVSWIQEGEDPCVEAVGERGGPQWPTDSRRLQSDDEDPKPRI VPTTRDPNKPVKVLRTRYIQTGLSRELLVAVLTSRATLSTL AVAVNRTVAHFPPELLYFTQGRGARAPAGNQVVSXGDERPAMLN SETLRHLTHFGADYDWPFDIMQDDTYVQAPRLAALAGHLSINQD LYLGRABEFTGAGEQARYCHSGPGTILSRSLILRLRPHLDGCRG DILSARPDWLGRLIDSIGVGVCSQHQQQYRSFELAKNRDP KEGSSAPLSAFVHFPVSEGTIMYRLHKRPSALEBRAYSIEQL QAQIRNLTVLTPGEAGLSWPGLPAPPTFHSRFEVLGNDYFTF QHTFSCADGAPKCLQASRADVGDALETALEQLNRRYQPRIRP QKQRLINGYRRFPARGMEYTLDLLLCEVTQGRHRRALARRVSL LRPLSRVHILPMPIVTEATRVQLVPLLVAAAAAPFLAFAA NVLEPREHALLTLLVYGFREGGEGADPFLOVKAARERRY PGTRLAHLAVRAAPSQVRLMDVVSKEHPVDTLFFLTIVWTRPG FEVLHRCRMAISGWAQFPFVHFQEPNALSQPSPPGPPGAGP DPPSPGADPSRGAFIGGRFDRQASABGCFYADYLAARALAG ELAGQKEKEALEGLVMDVFLRPSGLHLFRAVEPGLVQKFSIRD CSPRLSEELYHRCRLSNLEGLGGRQAQAMALFEQEQANST</p>
6499	3	2040	<p>SCSADTRPSCQANPTVGLAAAGAFRTGSPALGPETPOVACLP GHPPVRPQVSGGPGAMPDPAHLPPFYGSISRABAEHLKLAGM ADGLFLLRQCLSGGVVLSLVHDVRFHEHPIERQLNGTYALAG GKACGPAELCEFYSRDPDGLPCNLKPCNRPSCLEPOPGVFC LRDAMVRDYVRQTNKLEGEALBQAIISQAPQVKKLIATTAHERM PWYHSLTREBAERKLYSGAQDQGLRLRPRKEQGTALSLIYG KTVYHYLISQDKAGKICIPGTRFDTLNQLVHYLKLKADGLIYC LKEACPNSSASNASGAAAPTLPAPSTLTHPQRIDTINSOGYT PEPARITSPDKPRPMDTSVYESPYSDPEELDKKILFLKRDNL LIADIHLGCGNPGSVRQGVYRMKQIDVAIKVLEQGTBKADTE BMRERQIMHQLDNPYIVRLIGVQARALMLVMEAGGPPLEKF LVGRKEELFVSNVABLLHQVSMGMKYLEEKNFVHEDLAARNVLL VNRHYAKISDFGLSKALGADDSYTTARSAGKMPLEWAFECINP RKFSSBSOVNSYGVMTMBALSIGQKPYKMRGPEVMAPISQGR MECPPECPELYALMSDCMIYKWEIRPDPLTVBQMRACYTSLA SKVEGPPGSTQKARACA</p>
6500	1773	726	<p>TGPTHASADAGLVREVTWCANVRGNPCAAALSCPAVLDAKG MLSESSSFLKGVMLGSLFCALITMLGHIRIGHGNMHHHEHHL QAPNRKEDILKISEDEKMELESFVYCIILVKPDVSLWAAVKE TWTKHCDKAEFFSSENVVFESINMDTNDMLMRKAYKYAPDK YRDQYNWFLARPTTFALIEHLKYFLKEDPSQPFYLGHTIKSG DLEYVGMEGGIVLSVSMRLNSLINIPEKCEPQGGMIWKISED KQLAVCLKYAGVFAENARDADGKDVFNYSVGLSIEKAMTYEPN QVVEGCCSDMAVTFNGLTFNQMEVMMYGVYRLRAFPGPYFQ</p>
6501	1	570	<p>LVMGSGGGTETPVGCEAAGGSGKRDLSGTAGSAHLITRDLGB IHSRLDHRPVIQGETRYFVEPEEKKRGLRMRVLENLENMIE TNEHTLPKCRDTRDLSQVLRQLQAANDSVCHLQOREQERKCI HSDHLVASEKQHMLOWNFMKEQPNKRAEVDKEERKAMERLEKQ YAEKEDLAKPSTF</p>
6502	213	1650	<p>AGNKPDPWAGRNRTAVLPDVSVFHREDVGNRSWLQOSYQAVKE KSSEALEFMRDLTEFTQVQVHDTACTIAATASVVEKBLATEGS SGATERMKRGLSDFLGVISDTPAPSPDRTIDCDVITLMTGTPSG ARPYDGTARLYSLQSDPATYCNRPDGPPELFDANLSQFCLHEK KGLSELVGSPIRALYTKNVPAVSHSEFMHYTYKVHQLQEQ EQARRDALQRAEQSISEPGEKEKEBELMGISPISEKRAKVPV AKISTFPEGEPGQSPCRNLVTSVEPPAEVTPSRSSSISLVT QIANPATAPAEARVLPKDLSQLLRASLEBQGLAVDVGETGSPSP</p>

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			IHSKPLTPAGHTGGPEPRPPARVETLRREAPTDLRVFELNSDSG KSTPSNNGKGSSTDISDWEKDFDLDMTREEVQNALSKVDASG EVSQPGGSESGEPNPGPCSSPQPAQLSPQEGPCSCLE
6503	213	1650	AGNKPDPWAGNRNTAVLPDVSVFHEDVGMNRSWLQQSYQAVKE KSSRALFMRDLTETPTQVVOHDTACTIAATASVVKELATEGS SGATERMKRGLSDPLGVISDTFAPSDEKIDCDVITLNGTPSGT AEPTDGTARLYSLQSDPATYCHPDGPPPELFDANLSQPCLEEK KGEISELLVGSPIRALYTMVPAAVSHSEFMHRYFYKVHQLBQ EQARSDALKQRAEQSISEPGWEEERKMLNGISPLSPKEARVPV AKISTPPEGEHPGQSPCWRNLVTSVPPABVTPSESSSISLVT QLANPATAPARVLPEDLSQKLEASLREQGLAVDVGETGSPFP IHSKPLTPAGHTGGPEPRPPARVETLRREAPTDLRVFELNSDSG KSTPSNNGKGSSTDISDWEKDFDLDMTREEVQNALSKVDASG EVSQPGGSESGEPNPGPCSSPQPAQLSPQEGPCSCLE
6504	2131	1294	GKVCVAHWVCLSLSPFPAGMKT PNAQRAEQQTTRAAAGRATG SANNTKKKVSQKKQGRPSQPCRNIVGCRISHGWKEGDEPITQ WKGTVLDQVPINPSLYLVKYDGDVYGLERHDERVLSLKILS DRVASSHISDANTANTIGKAVEHMFEGEHSKDEWRGMVLAQA PIMKANFYITYEKDFVLYMYQLDDYKEGDLRIMPESSESPPTB REPQGVVDGLIGKHVETTKEDGSKRIGMVIHQVEAKPSVTFIKP DDDFHIVYVDLVKKS
6505	2131	1294	GKVCVAHWVCLSLSPFPAGMKT PNAQRAEQQTTRAAAGRATG SANNTKKKVSQKKQGRPSQPCRNIVGCRISHGWKEGDEPITQ WKGTVLDQVPINPSLYLVKYDGDVYGLERHDERVLSLKILS DRVASSHISDANTANTIGKAVEHMFEGEHSKDEWRGMVLAQA PIMKANFYITYEKDFVLYMYQLDDYKEGDLRIMPESSESPPTB REPQGVVDGLIGKHVETTKEDGSKRIGMVIHQVEAKPSVTFIKP DDDFHIVYVDLVKKS
6506	1	1350	EVSPTSCCLTVAVADPGVSEGPFGAGCENMPGRGRCPCQGST RLVRDSHYSQSLVCSDCGCVVTEGVLTITTSDEGNLRRVTSR STGENBQVRSQQRGLRRVRLCRVLQLPPTFBDTAVAYYQAY RHSGIRAAARLQKKKVLVCCCLVITCQHNHPLTNGALCTLLYAD LDVPSSTYMQIVELLLGLDVPSLCLAKLVKTYCSSPKLQOASPSV PAKYVEDERKMLSRMTQVLVELANETNLVTGRHPLFVITAATFLA WQSLQPADRLSCSLARFCKLANVDLPYPASSRLQELLAVILLEMA BQLAWLRVLRDKRSVVKHIGDILQHRQSLVRSAPRDTARVET REREPFGNGQQQGEVGNLSGLPQGRPASFALLPFCMLKS PKRICFPVPPVSTVTGDNLSDSRIEQYLRTPQEVDFQRAQAR QAATSVPNPP
6507	1878	929	RSHASRLPELPSGCLVLQVQELVQNSGMEATVTIPINQKPHGA ARSVVRIGTNLPLKPCARASPETLPNIDLCRDVPFVPTLAD LAWLADEEBTYARVSDTRPLRHTWKPSPLIVMORRASVPNLR GSEERLLALKKFPALPALSRTTQLQDELSHLRSQIAKIVAADAAS ASLTFDFLSPGSSNVSSPLPCFGSSPHSTTSFVSDITESTEVR VPELPSVPLLCASPECCKEPDGAACSSSEKDCVSLSKASSFA DMHGLWDPHRMKQSQDLNRSLLKREDPAVLISEVLRRKFAKKE EDISREGN
6508	862	342	WEARKRPQRNPSRRREVVRPPPELQRCRSGLEPCTFRMAAARP SLGRVLPSSVFLCDMQRKFRENIAFPQIVSVAARMLENTTL DLLDRGLQVHVVDACSSESQVDRVALAMRQSGAFLSTSEGL ILQLVGDAVHPQPKBIQKLIKEPADSGLLGLFGQNSLLH
6509	2	1053	FVNNPGRGKRRRQAATVQAATRASGTSPEDGTMTOGLSVAN KAPGTGQQQVEGKKKAPAVPSAPPSTYKATSGEGMKAGAFPP APTAVPLHPSWAYVDPSSSSSYDNGPPTGDHGLFTTFSWDDQKV RRVFVRKVTILLIQLLVTLAVVALFTPCDFVQVQANPGWYN ASYAVFFATYLTACCSPRRHPPNLLLTFTLSMATLTGML

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6510	37	1156	SSYYNTTSVLLCLGTTALVCLSVTVFSFQTRFQFTSCQGVLPVL LMTLFPGLILAILLPPQYVFWLHAYTAAGAGVFTLFLALDTQ LIMGRRHSLSPEEYIFCALNTYLDIITYITPTFLQFQDNR PCALDGCPCQCAVHPLGSSAMGLAFLCTQFVLHLLVGFVTVS GLVTFNVLQCTALWVPSKQLYRRINCRILAYSLSQLVMLLENW SCTBCTLFQDQATVERPGEHVAIIAHNPHIDFLQGWIMCERF GVLGSSKVLAKKELLYVPLIGWNYFLEIVFCRRKWEEDRUTV EGLRRLSDYPTMFWLLYCEGTFTFTKRRVSMRVAAGLPLVL KTHLLPRTGFTTAVKCLGTVAAVYDVTLNFRSKNPSLGLIL YKKYADMCVRRPFLDIPLEKRAAQWLEKLYQEKDALQEIY NQKGMFPGEQFKPARRPWTLLNLSWATILLSPLFSFVLGVFAS GSPILLITLTLGFCVGCAGNGBCR
6511	2541	1425	GEEQPLAAAPTECLEQVIGGAGDPQTWASFPSPPLGPAFLKGGK TMATNFSDIVKQGYVVKRKRRLGIYRRCLWVYKSSSKGFORLE KYPDEKSVCLRGCEPKVTEISNVKCVTRLPKTRQAVAIIFTDD SARTFTCDSEKRAEYKTLSEVCLGSRLEDSIGRPPDLLAPCV QCEQTDRENVFLPCPNLDVYGCCKLIQITHEIYLDIHNPRVK LVSWPLCSLRKRGDATRPTFRACRMCDAGEGLYTFQTQECBQI YQVHSATLALAKSKRVILLEMERVRLLEKQTEHYSYPCPTT MLPRSAWHEHTGQNTARASSYAGEGYGAQASSSTDLNRPFI LLEKXPBQGDSSBAKTPSQ
6512	159	807	POKKBTFPLSRSLRVASGRSCKLGGGYTGSGPGGEPDRSCA EVPSSGGRATGCRGGVGRARQGRAPGSSINRKEPRMVCTRRTK TLVSTCVILSGMINIICLLVVGWVTNYLASVYVRGQEPAPDKKL REDKGDTLKIIERLDHLENVTKQHTQEPAPKEAEAEPTDSS LPAHWGQELSPEGRVVALKQFPQYGYNAYLSDRPLDRP FVSPGPFSLAQLNLIWQITDTQLVHSFABEQDQGSAYANRTA LEPDLAQGNASRLRQVRVADGSGFTCPVSIRDFGSAAVSLQV AAYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDQ GVPLTGNVTTISOMANEQGLFDVHSILRVVLGANTYSCLVRNPV LODAHSSVTITPORSPTGAVEVQVPEDPVVALVGTATLRCSF SPRPGFSLAQLNLIWQITDTQLVHSFABEQDQGSAYANRTALP PDLAQGNASRLRQVRVADGSGFTCPVSIRDFGSAAVSLQVAA PYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDQGV PLTGNVTTISOMANEQGLFDVHSILRVVLGANTYSCLVRNPVLQ QDAHSSVTITPORSPTGAVEVQVPEDPVVALVGTATLRCSFSP RPGFSLAQLNLIWQITDTQLVHSFTEGR
6513	2	756	FVSPGPFSLAQLNLIWQITDTQLVHSFABEQDQGSAYANRTA LEPDLAQGNASRLRQVRVADGSGFTCPVSIRDFGSAAVSLQV AAYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDQ GVPLTGNVTTISOMANEQGLFDVHSILRVVLGANTYSCLVRNPV LODAHSSVTITPORSPTGAVEVQVPEDPVVALVGTATLRCSF SPRPGFSLAQLNLIWQITDTQLVHSFABEQDQGSAYANRTALP PDLAQGNASRLRQVRVADGSGFTCPVSIRDFGSAAVSLQVAA PYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDQGV PLTGNVTTISOMANEQGLFDVHSILRVVLGANTYSCLVRNPVLQ QDAHSSVTITPORSPTGAVEVQVPEDPVVALVGTATLRCSFSP RPGFSLAQLNLIWQITDTQLVHSFTEGR
6514	985	302	VGIFGPTISSAARMEDLDLDEKLRYSLATSRAMGRRAQQESA QAEHLEKKNSSLTLCGETSSAKLPCCQGGWAGDSVKAQKPRR KASEIEDPRLRPQSLNGSDYGGDIPIIPDLREVRQEDFVLQVA APPSIQIKRVMTYRDLDNDLMKYSALQTLQGEIDLKLLTKVLAP EHEVRENPSPQDDVGDNDWHLFTEVSSSVLTKMDPLQTEKEDP AGQARFT
6515	1345	305	GRVGSRRRAAVPGGCGAGSTQLVVSASACGALGSADMPYV VHEGGAGPISKORKERVHQGMVRAATVGYGILREGGSADVAVEG AVVALEDDPEFNAGCGSVLNTNGEVENDASIMDGKLSAGAVEA VQCANPIKRLVMEKTPHCPLTDQGAQFAAAMGVPPIGGR LVTERNKQRLERKKEKGAQXTDCQKNLGTGVAVALDCKENVAY ATSTGOIVNMVGRVGDSPCLGAGGYADNDIGAVSTTGHEGSL KVNLRALTFLHIBQGXTVBAADLSLGYMKSRLVGLGLIVVSK TGQNVAKWTSTMPAAAKDGLHFGIDPDPTTITDLP PRRLRYLGQDATAAADLRLTRGLQGYCPSATARQVVLVSALQQL KGRSRHEHNEQMPYSTNKLILGIMVGTAGISILLNLYHRVR KPGIAMELPEPLSGNTFNSITLQDEIIDDQGTIVIFQERQLQI LEKLNELLTNMEBLKEIRFLKRAIPKLEBYIQDELGGKITVHK ISQHRARIRRLPTIQSSATSNSSBAEBSGGYITZANTDTREQS

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			<p>FPVFKAFNTRVEELNLDVLLQKVDHLEMSSESGKSESPELLRDHK EKPRDEIEFMWRPARAYGDMYELSTWTOREKHVANI GKTLSERA INRAPMGGHCHLWYAVLCGYVSEFGLQKKNYGHLYKHLIDLA IKLLPEEPFLYLLKGRYCTTVSKLSWIRKMAATLFGKIFSSSTV QKALHNFLLKARELCPGYENFNMYLARCTTDLERNQNALEPCNL ALLLFTVTKEDEKAQKEMQKIMTSLER</p>
6517	3	1414	<p>GRVNGGSSSLNMMVTVRGHARDYERWQGGARGMDYAHCLPYPR KAQGHLELGASRYRGADGFLRVSRGRTNHPLECAFLAATQOAGYP LTERMNGPQOEGFGWMDMTIHEGKRWSAACAYLHPALSRTWLEA EARTLVSEVLFEGTRAVGVYVINGQSHRAYASKEVILSGGAIN SPQLLMISGIGNADDLWKLGI PVVCHLPVGVQNLQDHLIYIQQ ACTRPIITLSAQKPLRKCVCIGLEWLWETGEGATYHLBTGGFIR SQPGVPHPDIOPHPLPSQVIDHGRVPTQGEAYQVHVGMRGTSV GWLHLREANPDHPIQPNYLSTETDIEDFLCCKLREIFAQE ALAPFRGKELQPGSHIQSDKEIDAFVRAKDSAYHPSCTCNGQ PEDPTAVVDPTTRVLGVENLRVVDASIMPSMVGSLNAPTIMIA EKAADILKGGPALMDKDVVYKPTLATQR</p>
6518	242	1098	<p>PAWNPGEPRTRVEPEARSFPLPPRAPRERRRHLRAVPGPSR EHCRRRAPPPSTMGDAGSERSKAPSLPPRCPCGFWOSSRTYN LCSKCPADPQKQPDNDASPTSSNSQSLFSEBTSDNNHTSYT TFTLSPGQQLPFLTELNVTSPSREKCGPCTDAHVSLITPTARSC GTDSQSENRAFPVKRPRLLENTERSEBTSRSKQSRRCPCQQT KLELVQQLGSCROGVYVFCMLHLLPBOHCTFDMGRORERAIM RMVLDRLKVGKSCORIGEGCS</p>
6519	3	1113	<p>ERRMAEPFSPVHCVAAPATATVSEKEPQKQLQSSRDPPGSLG AKKVTEERKAPRVNGEGSGGNSRQLQPPAAPSPQSYGSPAS NSFAPLSAAPSPPSSRSFSPSAGTAVPSSASASLSQPGPRILL VPPTLLHAQPHHLLPAAAAAASANAASRRPKKREKERRRHL GGARRAGGASRENGEVKPLPRDKIKDKIKERDKEKREKKKKH VMNBIKKENGVEVKILLKSGKPKTHIEDLQIKKVKKKKKKKH EKKKKRPPMYSKSIQITICSGLLTDVEDQAARGILMDNIRDYVG KMLDTKNYDSKIPENSEFPFVSLKEPRVQNLKRLDTLEPKQLI HIEHQPHGGASVTHCLQ</p>
6520	3	1113	<p>ERRMAEPFSPVHCVAAPATATVSEKEPQKQLQSSRDPPGSLG AKKVTEERKAPRVNGEGSGGNSRQLQPPAAPSPQSYGSPAS NSFAPLSAAPSPPSSRSFSPSAGTAVPSSASASLSQPGPRILL VPPTLLHAQPHHLLPAAAAAASANAASRRPKKREKERRRHL GGARRAGGASRENGEVKPLPRDKIKDKIKERDKEKREKKKKH VMNBIKKENGVEVKILLKSGKPKTHIEDLQIKKVKKKKKKKH EKKKKRPPMYSKSIQITICSGLLTDVEDQAARGILMDNIRDYVG KMLDTKNYDSKIPENSEFPFVSLKEPRVQNLKRLDTLEPKQLI HIEHQPHGGASVTHCLQ</p>
6521	184	1798	<p>KLPTMATDTSQGLVHPKALFLIVGAQLIHADKLGKVDZSTMP IRRTVNSTRETTPKSKLABGEKPKFDISSEKSVSTVEQENE TPPATSSRABOPRGEPENEKEENKSEBTXDRDQSKERKCK VKKTIPSWATLSASQLARAQKOTPMASPRPMDAITLAKAC FKXSGASVVAIRKYIHKYPSLELERRGYLLQALERRHLNRGVI KQVRGGASGSPVVQKERTPKQSRNRKNSAVDPPEQVILB DVLPLAFTLCEPKEASYSLIRKYVSQYYPKLVDIRPQLLINA LQRAVERGQLBQITGKGASGTFQLKKSGBKPLGGSSIMYAILLS ALAAWNEPKTCSTTALKCVLENHPGTNSNYOMHLLKTLQKCE RFGWMEQISGKFSGTPLCFPTYTPSPGVLPKRRPDDSRDEDE DEDESSSEDSERBPPKRLQKTPAKSPGKAASVQRGSKPA PKVSAAGRGKARPLPKKAPKAKTPAKTRPSSTVIRKPSGGSS KKPATSAKKE</p>
6522	1042	391	NEWLRPSFBSHRTPESGRVLSLPLPPPGMALSGSTPAPCNZED

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			<p>ECLDYVGMLSLHRMFEVVGGLTECELELLAFLLDEAPGAAGGL SRARSGLEKLLLELRERGQCDENLRLIGQLLRVLARHDLLEPLA RKRPRVPSPRYSYGTSSSSKRTGSCRRRQSSSSANSQQGSP PTKORRSRGRPSGGARRRRRGPQPHPSSSSQSPFDLPLKAK</p>
6523	2	1097	<p>ASCQTRRTAALDSGERLAGRESPTALAMASNFDIVKQGVVKI RSRKLGIPTRCNLVFKASSRGPRRLKFPDEKAYPFPNFKVT ELHNIRNITRLPRRTKHAVALIIPDETSTKFACSELEAEKNC KHLCECLGTRLNDISLGEPLDLAGVQREQRERFNVYLMPTPN LDIYGECTMQITHEINIYLDIENAKVLMVWPLSSLRYGRDST WPTFESGRMCDTGEGLTFQTEGEMIQKVHSATLALAEQHER IMLEMBQKARLQTSITFPMTLSEISLFRSAYWHHITRQNSVGE IYSLQGNHENRHSDLTGKSCRTSENRLERNAPLVMYGITHLFP MDTSTCKVVDLE</p>
6524	2	1097	<p>ASCQTRRTAALDSGERLAGRESPTALAMASNFDIVKQGVVKI RSRKLGIPTRCNLVFKASSRGPRRLKFPDEKAYPFPNFKVT ELHNIRNITRLPRRTKHAVALIIPDETSTKFACSELEAEKNC KHLCECLGTRLNDISLGEPLDLAGVQREQRERFNVYLMPTPN LDIYGECTMQITHEINIYLDIENAKVLMVWPLSSLRYGRDST WPTFESGRMCDTGEGLTFQTEGEMIQKVHSATLALAEQHER IMLEMBQKARLQTSITFPMTLSEISLFRSAYWHHITRQNSVGE IYSLQGNHENRHSDLTGKSCRTSENRLERNAPLVMYGITHLFP MDTSTCKVVDLE</p>
6525	1	1859	<p>GESPFSEBHSIEFNPSSSGRSARTVSSNSFCSDDTGWPSSQSVS PVKTPSDAGNSPIGFCPSGDEGPTKKCTIGMVGEQS IQSSRYK KESKSGLVKPGSEADPSSSSSTGSIAPFVHMSTAGSRSSSR NRGPHGRSNGASSHKPGSSPSSPREKDLLSMLCRNQLSPVMTHP SYAPSSPSSSSSGSYKGSDCSPIMRRSGRYMCGENHGVPPNP BOYLTPLOQKEVTVRNLKTKLKBGERRLHERRESEIVLEKSLAR MRDWHIEEBCRVBAQLALKEARKEIKQLQVIEYETMRSSLADKD KQIQKVFVDLRIQNKLESLIQSMEMASGSLRDELCLDPFCD PEKSLITNPPLDTMADGLSLEQVTGBCADRELLVGDSTIANST LFDIIVTATTTESGDLELVHSTPGANVLELLPIVMGQEEGSSVV ERAVQTDVVPYSFALSELIQSVLQKLQDPCPSSLASPOESEPDS MESPFESLSALVVDLTPNPNSAILLSPVETPTANVDAVHANR IMRELDPAACVEERLDGVIPLARGGVVRQYWSSTFLVDLLAVAA PVVPTVLNAPSTQGGTDPVYNTGALLRGCCVVALHSLRETAFR IKT</p>
6526	2	2034	<p>SGRAGEPEBWRGRQIIDSKETWIPFNSEDSQLEAYSSGKGCN GRVPTDGGRYDVHLGERMRYAVYWDLASEVRRCTWPKGDED NKYVPYSRSPQVLEBTYMLAVTLDEWKKLESNNRIIILHNP KLAVHYQPVAGSDDWGSTPMEQGRPTVVRGVENISVDIHCGEP LQIDELVFWHGIGPACDLRFRSIVQCVNDFRSVSLNLQTHFK RAQENQQIGRVEFLVNWESPLASTGVVDLQRIITLPSINRLRH FTNDTILDVFFYNBPTTCQITVDIVASEMNRITLFLQNPDPK GGVSLAGHSLGSLILFDILTNRQDSLGDIDSBKGSINIVMDQGD TPTLEEDLKKLQLEKFFDIPEKERVDKALALCTORDLQBIGIP LGPKEKILNYFSTRKNSMGIKRPAPQASGANIPKESFCSSSN TRNGDYLDVGIGQVSVKYPRLIYKPEIPFAFGSPIGMFLTVRGL KRIDPNYRPPTCKGFNTYHPDPFVAYRIEPMVVPVGVFEPMLI PHEGRKRMHLELREGLTRMSMDLKNLLGSLRMAWKSPTRAPY PALQASBPETREARPESTSEKPSDVNTBETSVAVKEEVLPIV GMLNGGQRIDYVLQSEPTIESFNYLPALQSHLCYWESEDTVLLV LKEIYQTQGIPLDQPLQ</p>
6527	1	922	<p>GNVPLLSRLPSDACKIYKQGINIRLDPTTLIDPTDMKQQRGDL FTPNGDAAPSESFVVLQNEQKVYQRIHHESEMEBTEKEVDILMS SDIYSATLSKSI SFTRAQTGWLFREDKTERVGNFLADPYLVNG</p>

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			LVLBERKRRREHLSEEDILRNKAIMESLSKGGNIMEQNFPIRRO SLTPPPQNTITWBYISAENGKAPHLGRELVCKESKKTFKATIA MSQBPPLGIELLLNVLEVVAPFRRHFDLREFVQMKLPFGFPVKL DIPVPTTITATVTPQEPHYDSFDGSIPTIPDDYKEDPSRPPDL
6528	1	1073	LTGPAAAEPRCAADAGNERALGRREGVNLRLXILFCVLGLYIA IPFLIKLCPCIQAKLIFLNFVRVYFIDLKKPQDQGLNHTCNYY LQPEEDVTIGVWETVFAVNWKEAQCKDQHWYEDALASSHPITLY LGNAGTRGDHRELVEVLSLGYHVVTEDYRGNGDSVGTPE RGMTYDALHVPDWIKARSGDNVYIWHGSLGTGVAINLVRLLCE RETPPDALILESPTNIREERAKSHPPSVTYRYFPQDWFLLDPI TSSGKPFANDENVKHISCPILLHAEDDFVVPOLGRKLYSIAA PARSFRDFKQVFPVPHSDLYGRHYIYKSPELPILREPLCKSE PEHQH
6529	363	2215	THIRYNKIGVVKTSQGNFVETLKRIGVPAKADNLNGEDFDWLF BGVDEDSFLKWPFGNVNBNVLSERKLEAFSILQKSGKPILEGA ALDEALFKCTSDLRTPRLDDKELEKLEDEVQTLLENLKIQOR RNKQQLMASVTSHKSLRLNAKEERATKCLKSQGIINAMITKIS NELQALTDEVQTLMMFPHSHLGGTINPLVFLSQFSLEKYLQSE BQSTAALTLYTEKQFFQGIHEVVESSESOFNPLKIQTPSICD NQRILEERLEMARLQLAYICAHQLIHLKASNSMKSSIKNWAE BSLHSLTSKAVDKENLDKISSLTSEDKLEKEVTOIKDRSLPA VVRENAQLLAMPVVGDFDLQIARQDYTTARQHLVNLIEQKA SFELLQLSYBIELRKRDITRQLENVQELSQSNMMLYKQLEML TDPSVSQQINFRNTIDTKDYSTRLYQVLEGENKKKELFLTHGN LEEVABKLNQISLVQQLAVSAQHSFPLSKRNKDVDMLCDTL YQGNQLLLSDQELTQFHKVESQINKLHLLTDILADVTKRK TLANNKLHOMEREPYVYFLDEDEDYLRDIVNLETOSKIKAVSLZ D
6530	128	2986	GAHHGATVQVHPILLPGSSTIMHDLCLVFPAPAKAVVVSQIQ RLYIRVVDKVBIGKTIVZAVRVLDLHKPFLAKYPPFMOLKLRASPIITLVALDEALDNYTITFLIRGVAIGQTSILTASVTNKAGOR INSAPOQIEVFPFRLMFRVTLIGATWQVTEGGPQPSNITL PSISNESVALVSAAGLVQGLAIGNTVSGLVQAVDAETGRVVI SQDLVQVEVLLRAVRIRAPIMRMRTGTQMPIYVTGINTHQNPP SFGNAVPLTEHWSVTRDVLDRGRHHEASIRLPSQYNFAMSV LGRVKRTGLRAVVKAVDPTSCQLYGLARELSDEIQVQVFEKLQ LLNPREAEQILMSPNYSIKLTNRDGAASLSYRVLDGPKVVP VHVDRKGFLAGSGMIGTSTIEVIAQEPFGANQTIIVAVRVSFVS YLRVMSFVLHTQNKALVAVPLGMTVPTVHFHDNSGDVPHAE SSVLNFATNRDDFVQIGRGPTNNTCVVTVSVGLTLLRVWDKAE PGLSDFMPLPVLOAISPELSCAMVVDVLCATVLTSLBGLSGT NSSANSILHIDPKTGAVARAVGSSVTYTVVAGHLRTYKEVVV SVQRIAMRHLHPIQTSFQRATASKVIVAGDRSSNLRGECTPT QREVIQALHPETLISQSQFPAVDFPSPQDVETVEPQFDTALG QYFCSI THRLTDKQKHLSEKKTALVVSASLSSSHFSTEQVCA RVPPSPGLFADQABILLSNHYTSEIRVFGAPEVLENLEVKSGS PAVLAFKESKSGWPSPTTYTVGVLDPAAGSQGPLSTTLTPSSP VTNQAJAIPVTVAFPVDRRGPGPYGASLPQHFLDSYQVMFFTLF ALLAGTAVMI IATHTVCTPRDLAVPAALTFRASPGHS PHYFAAS SPTSENALPPARKASPPSGILMSPAYASH
6531	845	1425	PSASIPPSASPDVPDRTCHFLVEDPSVGCISGSEKCTISSS SLCHVITIYVDVVRVIVRGCGQYISYRCQKRNTYFAYWYQA QCCQYDYCNSSSPQLQSSLPBPHDRPLALPLSDSQIQNFYQAL NLSLPLPNFHAQTEPDGLDMVTLISNLGLSPAELRMYLPLNS SGLLVLPQMLLTPHPS
6532	2	954	AAGPPSEVVNQDSLFPPEPFGAPQVLLGPGGGLIKGVAPPTL

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			ITDSTGTHLVLTVINRKAHSPGLSRGSPQQPSSQPGSPAPAPSA QMDLEHPLQPLPGTPTSLKKRPPGYERAMSQPQOENGSSSQ QMDLFDILIQSGEISADFKKPPSLPGKKPSPKIVCWSPFLAAQ PPSAKLPQAAPPFGSPSLPGRLRDPLESSSTGLPILTSCHDGP EPLSLIDDLHSQMLSSTAILDHPSPMDTSELEHFVPEPSTHGL DLADGHLDSMDWLELSCGFVLSLAPLSTTAPSLPSTDFLDGHD LQLHWDSC
6533	1798	373	STISMLARVEPPRRSSGVGAARLEPPGSRPLERARACVLALAVL ALLERNADSMSAHSMLCERIALAKELIKRARSLSRSRKGIEG GAKLCSEKAKRLKFLQKVRAGKVAIKESHQSTNLTHLRATVES AENLEEVSVLHVFGYDTLGEKQTLVVDVWANGQHTWKAIGR KARALHNIWLGRCQYGDKSIIEDQARDPLQASHQQPVQYSNPHII FAYFNSVSSPMAEKLKEMGISEVRGDIVAVNALDHPPEELQPSSES ESDDEGPPELLQVTRVDRENILASVAFPTBIKVDVCKRVNLDITL LITYVSALSYYGGCHPIPKKVLTEQAEQERKEQVLPQLEAFMKD KELEFACESAVKDPQSILDTLGGPGERERATVLIRINVVPDQPS ERALRLVASSKINSRSLTIFGTGDTLKAITMTANSQFVRAANNO GVKPSVPIHQPRALTESKEALATPLPKDYTTDSBH
6534	47	596	KATRPYSAAFFVVLNKGVSFARKLPHTSWSWSLQTLSPFSGDLA EKSLOCFPCSEMLLELITPLLGTHFVLRTARASQSVTPDITITVS EGASLELRONYSYGATPYLPMERTVEEAPTLLVCLKPNRVASS LKKKKKEDSPQLLLGSRYNVLKARCLPLIRWLTSGDSLLSAQ PHCPQGL
6535	250	964	LKTFPFDVAIQRDLLPKKKNLETLTLAFLEIDKAFSSHARLS ADATLLTSGTTATVALLRDGIELVVASVGDRAILCREGPKML TIDHTPERKDEKERYKKCGFVAHNSLGQPHVNGRLAMTRSIGD LDLKTSGLVIAEPETKRIKLHRAADSFLVLTDDGINPMVNSQEIW DFNQCHDPNEAAHAVTEQAIQYGTEDNSTAVVVPFANGKYN SEINFSPSRSPASSRNA
6536	242	1174	SLVKEMTNQYGLLFKQEQARDDAIWSVAMGINKKENSETVVTGS LDDLIVVWKKRDERLDLQWSLEGHQLGVVSDLSHTLPLAASSS LDAHTRLWDLNKGKIKSIDAGPVDAMTLAPSPSQYLATGTHV GKVNIPGVESGKKEYSLDTRGKFIISIATSPDGKYLASGAIDGI INIFDIATGKLLHLEGHAMPILSLTSPDSQLLVTASDDOYIE IYDVQHANLAGTILSGHASWLVAPCPDDTHPVSSSDKSVRVV DVGTRTCVHTFPDHDQDVVGKYNANGSKIVSVGDDQRIHTYDC PI
6537	1638	921	NRFNPPPTQGPDPPLVYRPDVPDEVAKDIKASFRNVTSGPLLDV PTTYKLMEHTQTVDFVRSKHAQPGGFSYKIMTVMEAVDILLDGLV DRSDDPDVDFNSFHAFTQAEIGKAPDKDWFHVLGLLHDLGKV LALFGKPPQWAVVGDTFPVGCRRQASVVFCDSTFPQDNFDLQDPYI STELGMYQFECGLDRVLSNGHDEHARGGQWGGGGRNGTVGGGG AEAVPAGDTLSPOSTCTR
6538	3345	2412	PPLYDFLDALYTCQTAPKEAFIKLGLAGMLTEQLRRLTAQVQB ARHHRDDBAIKKAVNEYDETMKEYIPVILMAQAKTYNLENYPMV EKI PRKSVBFCNDEHVMKLVAVHVLPMQENKYKEAIGFYETIVK KHYDNI LVSATVLANLCVSYIMTSQNKAREKLMRKIEKKEBQL SYDDPNREMYHLICIVNLVIGTLYCARGNYEGLSERVIESLEPIN KKLGTDTWYYAKRCFLSLENMSKEMIVIHDSVIOQSCVQFLGHC ELYGTNIPAVIEQPLESERMHVGNVTDESRLKALTYEIIIGH NK
6539	218	339	FLGAASPHPHFSSLAPHDPQPRETPVQDELKAMELNGPCV
6540	3	391	LKRLMLLLLRPPEDAMAECPITLGEAVTDEPDRIMANEKPVYLD E KQHAWLPLTIEIKDRILQRLVLLREDDVILGRPMPTPTQIGPSLLP IMHQLYPDGRYSSDSSFWRLVYHIKIDGVEDMLLELLPDD

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6541	1165	536	RTLVQRRIIMLLRKPARGRDLEGGRGTPEGGRKGLLPTDORFP RFGGRKPDSDWGNREPGGHEHPRDTFRPDHPPHDGHS PASRE RSSSIQGMAMASLPKRKPWHDGPGTSEHREMEAPGGPSEDRGG KRGCGFGPAQRVPKSGRSSSLDGEHHDGTHREDEFPGGPPGSGTP SRGGRSGSNWGRGSMNSGPPRGASRGCGGR
6542	3	3775	SWPRGRGETGGHFGALRTTDMQESVRYNREGHLYLAFLARKRGY KRGFLSKKTAEASRWHEKWFALYQVLPFTEGQSCRPAGMYLL EGCSCKRTTAPPRAGAGQGGVVDALDQYYTTFVLFGEHQXPLE LRCEEQDQGEKMEAIHDASYADILIEREVLQKQYIHLVQIVET EKIAANQLRQLEDQDTEIERLKSRI LANKTKERMMPYQSNQ DEDPPDIKKIKKVSFMGRWLCRRKWTIVQDYICSPHAESMRKR NQIVFTMVEASESYVEQLYLVNGPLRPLEMAASSKPPISHDD VSSIFPNSSETIMPLHBIHQGLKARIANWPTLILADLPDILLPM LNIYQEFVRNHQYSIQVLNCKQNRDQKLLKQYEANPACEGRM LSTPLTYPMQIPRYIITLHELLANTPHEHVERKSLKPAKSLK ELSRVMDDEVSDTEIRKNTAIERNIVEGCDI LLDTSQTPIRQC SLIQVPSVERGKLSKVRIGLSLSLKRRQRQCFLETKH/LICTRS SGGKLHLLKTGGVLSLIDCTLIEEPDASDDSKSGSQVPGHLD KIVVRPFDRAAFTVLLAPSRQEKANMEDI SQCVENIRCNGLM TIVFERNSKVTVPENIKSDARLHEDDTIDCPSKTANSCKVPQIR YASVERILLRLTDLRFSLIDFLMTFLHTYRIPTAAVVLKSLD TYKRPFSTIPVRSLELPATSQNRGEHLVDGKSPRLCRKPFSSP PPLAVRSTSSPVARKLSLTSPLNSKIGALDLTSSSPTTTTQS PAASPPFHTGOIPLDLSEGLSSPEQSPGTVEENVDNPRVDLCN LKRSIQKAVLESAPADRAGVSSPAADTTLSPCRSPTPRHLR YRQPGGTADNAHCSVSPASAFATATAAGHGSPPGFNNRTTC DKRFIIRRTATNRVLNVLRHNVSKHAQDFELNNELKMTVLNLE EVLRDPLLPOERKAAANTIIMALSQDDQDDIHLKLEDI IQMTDC MKACCPESLSAMRLAQITLLDHVIFRSIPYEFLEGQGMKLDX NERTPYIMKTSQHFNDMSNLVASQIMFYADVSSRAKAEKVVAV ADICRCLHNYNGVLEITSALANRSATYRLKKTAKVSKOTKALMD KLQRTVSSBGRFKNLRBTLRNCPFAVPYILGMYLTDLAFIEBGT PNFTBGLVNFPSKMMNISHIIRIRIQPOOTSRYRIDHQPVAQYL LDKDLI IDEDTLYELSLKIEPFLPA
6543	1857	950	FVSGGGRAGIGLSMAAARVSRWYFPGGLASCGAACCTHPLDL LKVHLQTOQBEVKLRMTGMALRVVRTDGLALYSGLSASLCRQMT YSLTRFAIYETVRDRVARQSQGLPFHEKVLGVSVSLAGGPVG TPADLVNVRMNDVKLPQQRNRYHALDGLYRVARBGLRRLP SGATMASSRGALVTGQLSCYDQARQLVLSGTGLSDNI FTHFVA SFIAGGCATFLCQPLDVLKTRLMNSEGEYQGVFCAVETAKLGP LAFYKGLVPABIRLIPHTVLTVPVLEQLRKNPGIKVPS
6544	630	79	PSPCFIRSLDGPMMAGLEAMLSQNFELHQPSRVRRASIS BPSDTPPEPRTLNPSAGWPFVQHPLELMSSFRERFGKWLQY RSHLEPSSGNPLPATPTTSAPSAPPASSQGPDTAPRPSPPQREAR GPQES PQMSEBVRABPQREERKEGKEKEEGEMAPLPBAHLC EGKQKECP
6545	176	560	PPHSHAALLPAAMTFLTLTLVIMGLPLAQALDCHVCAYNGDN CFNPMRCAMVAYCMTRTYTPTRMKVS KSCVPRCPETVYDGY SKHASTTSCQYDLNCTGLATPATLALAPILLATLNGLL
6546	1657	364	HLNGLDEVAFFVADLGATVRKHPCFLECLPRVRPFYAVKCN SPGVLEKVLQGLGFSKANKAMBLVQHIGIPASKIICANPCRQ IAQIKYAAKHGIGLLSFDNEMELAKVVEHPSAKMVLCIATD HSLSCLSLKGVSLSKSRHLLKAKKHVVEVGVSPHIGSGCPD PQAYAQSIADARLVFDMGTLGHRMHLVDLGGGFPGTGAKVRP REIASVINSLDLYFPBGCGVDIFALGRYVTSAPTAVSIIA KKEVLLDQPGREENGSTSKTIIVYHLDGCVYGFNSVLPDNICP

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			TPILQKRPSTEQPLYSSELNGPAVDGDCVAREGLNLPQLHVGDW LVFDNMGATTVMGSPFPGTQACHITYAMSRVAMEALRRQLMAA EQEDDVEGVCKPLSCGWEITDTLCVGFVFTPASIN
6547	1	541	LSKYLAPALCSQPGMRCRRCCCRQPPHALRFLILLPLVL PPLAAAAAGPNRCDTITQGFACILRLGDSMGRGGLSTICRSW NDPHACASQVLSCGPBAAAVVESLQBARQAPRFNNLHTLGA PVHVRERGTSBTRQSTLRATAPALPMAPAPPLLAALALAYLL RFLA
6548	2	219	PVSRISVRDVRFTPLSGHAGADAMHTDIDYSAAYVPIETDAEDG IKGCGITFTLGKGTVEGLKILSRPQNA
6549	73	1490	BTGRVCEADARPAQGESRRRRKEAPGIPTPSPSSSSPTSSRPA ARAPSKAPARLSRPRAREPPDPGRRTYQEBIIQARKHKLIKMC SSVAAKLWFLTDRIREDYPOKEILRALKAKCCERLDFRAVVM DEVVLTIHQNLGLRINGELITAYPOVVVVVPTFWQSDSDIT VLHLEKMGCRIMNPQAILNCVHKFWTPQRLAGHGVPLPDTFE YGGHNFARMIDBAEVLEFPMVVTREGRGKAVFLARDKHHLA DLSHLIRHEAPYLFQKYVKESRGRDVRVIVVGGVVGTMRCST DGRMQSNCSLGGVGMCSLSBQGLQIAIQVSNILGMDVCGIDLL MDDGSPCVCRANAVGPIAFDEACHLDVAGIADYAASLLPSG RLTERMSLLSVSTASTSEPELOFPASTAVDNMSASSSSVSDSD PESTERELLTKLPQGLYMMQILLANEIKLLVD
6550	2293	922	FRVSRDGAPOGIEQMGLEMERGGSVARAGGSSRCNTYLRYPF LFVSLIQFLIILGLVLMVYGVNVHSTENLQATERRAEGLYSQ LLGLTASQSNLTCKINFTTRAKDAIMQWLNARLDLRINASF QQGDRVITYNNQRYMAAIIISERQCRDQFDMNKS CDALLFML NQKVKTLEVEIAKERTICTDEKSVILNKVAREQLVECVKTR LQHOEROLAKEQLQVQALCLPLDIXFEMDLRLNLRDSIIPRS LDNLGYNLHYPLGSELASIRACDHPMSMSKVEELARSLRAD DERVARENSDLQOKLEAQGLRASQEAQKQVKEAQAARAKLQ AECSEOTQALAEKAVLRKERDNLAKLEKKREABQLRMELAI RNSALDTCTIKTSQPMVPSRPMGVVPPNPQPIDPASLEEFKRI LESQPPAGIPVAPSSG
6551	157	748	IQPPDPNMTLAAYKRNKRLPLVSLPCSCFLADPLNKSSYKYB ADTVDLNWCVISDMEVIELNCTSGQSFEVILEKPPSPDGVPFPN ASLPERRDPSLEETQKLEAAERKRYQAEILLKHLAEKREHER SVIQAEIENNNPIIMAKEKLAQRMESNKENRRAHLAAMLERLQ EKDKHAEVRENKELKEASR
6552	157	748	IQPPDPNMTLAAYKRNKRLPLVSLPCSCFLADPLNKSSYKYB ADTVDLNWCVISDMEVIELNCTSGQSFEVILEKPPSPDGVPFPN ASLPERRDPSLEETQKLEAAERKRYQAEILLKHLAEKREHER SVIQAEIENNNPIIMAKEKLAQRMESNKENRRAHLAAMLERLQ EKDKHAEVRENKELKEASR
6553	2	1807	PVWSRMAHLISYGRVNLNVLREAVRRRLREFLOKCAKAIVND BYLTGPPGLIAQYSLLKEHEVERKMTLEGNRLPAADVKNIIFFV RPRLELMDIIAENVLSDBRCPTROPHILFVPRSLLCBQRLKD LGVLGSPFHREBYSLOLIPFDGDLISNESEGAPECYLEGDQTS LYHAAKGLMTLQALYGTTPQIPGKGECAQVAMMIRMKREFTG SQNSIPFVFDNLLLDENVLLTPLATQLTYEGLIDEITYGION YVRLPPEKFAPKQSGGKDLFTEAKKLQNSAEELVAKIRDKN FNAGSVLSKAKIISAAPFERHNAKTVEIKQFVSQLPHPQAA RGLSANHTSIAELIKDVITTSDFDXTLTVQEFMSGIDTDKVN YIEDCIAQKSLIKVLRVLQSVQNSGLKQKVLDDYKREILQT YGYEHLTLNLEKAGLLKPTGGRNNYPTIRKTLRLWMDVNE QNPDTISYVYSGYAPLSVRLAQLSRPGWSIBEVLRLILPGPHF BERQPLPTGLQKKRQPGENHVTLIFFLGGVTFARIAALRFLSQL EDGGTYVIATTKLMNGTSWIRALMEKPF

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6554	119	1244	PEFGSSQVSVEGALHVIVGGGFGGIAAASQLQALEVFPFLVDM KDSFHNVAALRASVETGFAKKTFLSYSVTFKDNFRQGLVVGID LKNQWVLLQGGRALPFSHLILATGSTGPPGK/NEVSSQQAIIQ AYEDMVRQVQSRFIVVGGGSAGVMAARIKTYPEKEVTILH SQVALADKELLPSVRQEVKEILLREGVQLLSERVNLEELPLN HYEYIKVQTDAGTEVATNLVILCTGIKINSSAYRKAPESSRLAS SGALRVNEHLQVGHSHVYATGDCADVETPEMAYLAGLHANTAV ANIVNSVQRRLQAYEPGALTPLLSMGRNDGVCQISGPTVGRIM VRLTKSRDLFVSTSWETMRQSPF
6555	1552	498	IHMALLRKINQVLLFLLIVTLCVILYKRVHKGTVPENDADDESE TPEKLEEEI PVVICAAGRMGATMAAINSIYSNTDANILPYVVG LNTLTIRIKWIEHSLREINFKIVEPNFMGLKGRIPDSSRP LLQPLNFVRPYLPILLHQHSEKVIYLLDDDIVVQGDIIQLYDTTIA LGHAAPEDDCDLPSAQDINRLVQLQNTYMGYLDYRKAIDKLG ISPSTCSFNPQVIVAMTEWKHQRIITKQLKHMQRNVEENLYSS SLGGGVATSPMLIVEBGKYSTINPLWHIRHLGWNPDARTSEHFL QRAKLLHNGREKHPWDPSPVHNDLWESNEVDPAGIKELNHS
6556	241	1449	ASLCRCGCFVTHVLVYLLPSLQSPYTFGLLDIDGVLVRGHRVI PAALKAPELVESSQQLRVVPVVTNAGNIIHQHKAQKLSALLG CEVDADQVILSES PMKLPSHYIHERMLVSGQGPVMEQAQGLGFR NVVTVDRLNAPPLLOMVDLERRLRTTFLPRNDFFRIEGLVLLG BFWVWETSILQINDVILSNGSPGAGLATPPYPLEVLASNDLL WNAEARMPPRPGHGTLLCLETIYQKVTGKELRYEGLMKPSILT YQYAE DLIRQAERRGWAAPIRKLYAVGDNPMSDVYGANLFHQY LQKATHDGAPELGAGGTROQQPSASQSCISILVCTGVYNPRNPQ STRFVLGCGEPFPHGRDLCPSPGLMEASHVVNDVNEAVQLVFR KEGHALR
6557	2598	1534	RMCGRTSCHLPRDVLTRACAYQDRRGQRLPEWRDPDKYCFSYN KSPQSNPVLLSRLHFERDADSSERI IAPMRNGLVPSWFKESDP SKLQFTTINCSDTVMKESFKVPLGKGRRCVVLADGFYEMQRC QGTNRQPPYFIYFPQIKTEEGSGSIGAADS PENWEKVNWNWLLT MAGIFDCNEPPEGGDVLVSYTITVDSCKGLSDIHRMPAILDG EBAVS KMLDPGEVSTQKALKLIHPTNITPRAVSSVMNSRNT PECLAPVDLVVKKELRASCSSQRMQLQWLATKSPKKRDSKTPQKE RSDVPQWSSQPLQKSPLEPKRGTAGLLBQWLKREKKEEPVAKRP YSQ
6558	21	1138	PEGRRRGGRKMELGSCLEGGHRAAREEGEPEVKRRLICVRFAS VASCDAAVAQCFLAENDWEMERALSYYFPPVRESALERRPETI SEPTTYDLINEETDSTTSKISPSEDTQENGSMYSLITWNID GLDLANLSERARGVCSYLALYS PDVILQEVIPFYYSYLKERS HYEII TGHEEGYPTAIDMKRSRVKLKSOBIIPFPSTEMRNLLC VHVNVSGNELCLMTSHLESTEGHAAERNQLRMVLKEMQAPBS ATVIFAGDTNLRDRVTRCGGLPNNIVDVNEFLGKPKHCQYTWD TQMNSNLGITAACTLRFRDRIFFRAAAHEGHIIPRSLDILGLEKL DCGRFPSDHNGLLCNLDIIL
6559	3	364	GPFLSGLPTRPKLKAQTP LANDCCASRSCSVPTGPATTICSS DKSCRCGVCLPSTCPTHVWLLBPTCCNCPPCHI PQCPVPTCF LLNSCQPTPGLETLNLITPTOPCEPCPLRGC
6560	3	1435	TATSGGIWLRKRNCHWPRLPQSCVGTBGGQLVROTSSRIARG GVDHTMSLHESAGGHERSRDRRSSDSRDSHERTESQLTPC IRNVTSPTRQHHVEREKDHSRPPSPRPQKASPNGIS SAGNS SENSSQSSSDGSCRTAGEMVFFVYNAKEGARNIRTSERVTLIVD NTRFVVDPSIFTAQPNMLGRMFGSGREHNFTRPNEKGEYEVAR GIGSTVFRAILDYKGTGIRCPDGISIPELREACDYLCISFYS TIKRDLSALMHLSNDGARRQEPFYLEBNTILPLMVASASQGER ECHIVLTLDDVDWDDEYPPQMGBEYSQIIYSTKLYRPFKYIE

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			NRDVAKSVLKERGLKIRLQIETGYPTTKKVKRPGGRPEVIYN YVQRPFLRMSWKEKESRHRVDFQCVEKSIITNLAAAAADIPQD QLVVMHPTPQVDKLDLILPHPPSGRSDLDPAQNPML
6561	3	1086	PGRRFRKRSKSSSRWFPADCLLGLRGPASSLISPEFSPSWPSHS PCTMAALTDLSPMYNFKNCNLVGNLSKRYVFTGCDGFGNLL AKQLVDGGMVLAACFTBEGSQILQDTSYRLQTTLLDVTKSES IKAAAGVVDKVGEGGLWALVENAGVGLPSGPNBVLTRDDFVKV DNVNLVGLIEVTLMLPMVKRARGRVNNSSSGGHVAVIGGGYC VSKPGVEAFSDSIRRLTYFGVKVCIIEPGNYRTAILGKKNLES EMRKLWERLPQETROSYGEDYFRIYTDKLNIMQVAKPRVRDVI NSMEHAIVSRSPRIYINPGLDAKLLYIPLAKLPTPTDFILSRY LFRPADSV
6562	1	1562	MSTLYDIRAHKQQLRFPASSDENKALBQRTLHTPKLEHLDV LYEWFLGRSEGVFVSGPMLIEKARDFYEQMQLTBPVPSGGWL WRPKARHGIKLDASSEKQSAHQAAEQFCAPFRSLAAEHGLSA EQVYNADFTGLFRCILNPPTPEGAVPGPKQGRDLTVLMCANA TGSRLKPLAIGKCSGPAPFGIQLHFAVYKAQGNVNDKEIFPS DWFHIFVPSVREHPTIGLPEDSKAVILLDSRAHQEAKLVS SNVFTIFLPASVASLVQPMEQGIRRDPMENFNPFPVPLQGPHAR YEMNDALFVACANNAVPSHVFRARWGLWPSVAFEGSSSEEE LEAECFPVKPHKSFALILELVEKGSCEPCQLRQQAASNGVAG REAGGRPPAATSPABVWNSBETPRADQDGRGDPGEUEFAWE QAAVAFDAVLRFAERQPCPSAQEVGQLRALRAVFRSQQVRRRR GALGAUVKVEALQEGPGGCGATAQSPLPCSSTAGDN
6563	1319	2694	IARPAQVLLRBPAGAGFPVPAGHLVHHLQGGHLRERAPDLRA HEHPLPCDQMPWRQMGHLMVVEANSRGVWVGIGYDHTANVYTG GYGGCQPGGLASSTSNITYQSDVKCVHIYENQRWNPVTGYTSRG LPTDRYNNDSAGLQECTAGTEPPSLQWAWVSDWFDPSVPGG TDQEGNQVADFPASYHGSKTMEDFVRHRCWARKCKLVTSGEWL EVPPIALRDVSIIPSPGABEGSGHSIALMAVSDKQDVLRLGVS ELNPAGSSHLVGTDPFPASISIGACYQWAVARDGSAFTGCSV YPSQPADGCWYHIPSPPRQLKQVSAGQTSVIALDENGNLWYRQ GITPSYQCGSSNEHVSNNVCRVSVGLDQVWVIANKVQSSHSL BGTVCHEGTVQPHFGHGWYDYGGGNDHISVRANATRAPRSS SQBQEPSAPPEAGPVCC
6564	1	975	APGSCALMSYCGRGMSRAMRCQQLLQLRSSWPGDLLSARLLSQE KRAASTHFGPETVSEERKGGKVYQVFEVAKKYDVMNDMSLGI HRVWKDILLWEMHPLPQTQLLAVAGGTGDIAPRPLNYVQSQHQR EQKRLRAQONLSWEEIAKEYQNEBDSLGSSRVVVCDBKEMLK VGRKALAQGYRAGLAWVLGDAEKLPDDDKFDITYTIAPGIRNV TRIDQALQEAHRLKPGGRFLCLSPSQVNNPLISRLYDLTSFQV IPVLGEVIAGDNKSTQYLVSIRRFPSQERPKOMIEDAGPHEKVT YESLTSGLVAIHSGPKL
6565	1464	999	RSVANGELTKRRMGLKNGRYIELILAVQIAYLVQAVRAAGKCD AVFPGFSDCLLRIGDSMANYPQGLDDKTNIKTVCTYNEDPESCT VTALTDCEGAKDMHDKLRKESKNLNTQSSLFELCGSGNGAAGS LLPAPFVLLVLSAALATWLSF
6566	3	1385	KYESAQPGGTQPEPGIGARMAIHKALVMCLGLPLFLPGMAQGG HVPFGCSQGLNPLYTNLCDSGANGIVLEAVAGAGIVTTFVLT ILVAGLPFVQDTKRSLLGTQVFFLLGLGLFCLVFAVCEKPDF STCASRRFLFGVLFACISCLAAHVFAINFLARKNHGPRGVVIF TVALLLTVEVLIINTEWLIITLVRSSEGGGPGQNSAGNAVAS P CAIANMDFVMAITYVMLLLGAPLGAWPALCGRYKRWKNGVVF LLTATSVAIIVVMIVMYTYGNKQHSPTNDDPTLALALANAN APVLFYVIVPVSQVTKSSPEQSYQGDYPTKGVGYETILKEQKQ QSMFVENKAPSMDEPVAARPVSPYSGYNGQLLTSVYQPTMAL

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			MHKVPSEGAVIDILPRATANSQVMGSANSTLRABMYSAQSHQA ATPPKDGKNSQVFRNPYYND
6567	125	863	TKRSNLEAYACSIIHIRTMSYVFNDSQTNPVLLQACIDGDFN YSKLLLESQFDPWIRDSRGRTGLHLAAAGNVDIQQLLHKFGAD LIATDYQGFTALHLCGRVDTIQFLVENGKIKIDICNEQGATPLVL AKRRGVNKDVIRLLESLREQEVKGFNRGTHSKLSTMQTAESBSA MESHSILNPNLQQEGVLSSPRTTWQEFVEDLGFWRVLLIPVI ALLSLGIATYVSGVLFPVENQPLVH
6568	3	1183	HASDRLLVLPDMYSHFSOASANLQGFSTRIRLFHPTLASISSPM LEGARLYFNVDHGYLEGLVRGCKASILLTQDYINLVQCELTLEDL KIHLLQTTDYGFLAMHTNPLTVSKIDTEMKRLCOEPEYFRNHS LEPLSTPLTYMTCSTMDNIVILLMNGALQKKSVKELGKCHPLG RPTMEAVNIABTTSOLPNAIILETPPLAFFPQDCMSERALDELN IELLENKLYKSYLRAFPKPCRNHIDVTAEVNCPILEFEADRRAF IITLNSFGTSLSKRDRETLYPTEGELYPEGLRLLAQAEFDOMK NVADHYGVTKPLFEAVGSGGKILEVDVFEREVQNVLAFWRQP HYGVYTAIVKLKEQKIRNIVWIAKCSORHRTKINSYILIL
6569	205	1532	RREGVQRLHNGRPTPLLCNRITAGPSHNEKQARAFQGLRPVDFR RMSWLPPLTKSASSAAGSPGCLTSLQQEQRLIESLNSHSSI ARIQKDVETRLPFTINNLTINDILLPPQFPQKPVISVYPPIR HHLMKRGVYVTSPLVNNFTMSDLGKIIQSLLEDFWENPPVLA PTSTAPPYLYSNPSQMSPYASQGFPLPPYPPQEARNSITLSV ADTVSSSTTSHTAKPAAPSFGVLSNLPLPIPTVDASIPTSQNG FGYKMPDVPDAFFSLSELSVSQLTDMNEQEELVLEQLTLPLQK QIITDKDDLVSIEELARKNLLRPSLEAKRQTVLDKYELLTQM KSTFRKIMQRHLESCSASALQARLKVAHAEERSDNIARD FLEGRMEIDDFLSSFMKRTICHCRRAKEELQQAAMHSQFBA PL
6570	330	1304	ARLPRLTFLREGFLYVLLSHWVFGAPRPPASDSWKKGLVPSAP PASRNGSKALPAPILPHPSLQITNYSFLQAVNTFPATVDHLOG LYGLSAVQTMHMHWTILGYPWHEITRSTITEMAAAGQLVDAR? PFPALPFTTHLFHPKQGAIAHVLPAHLKORPRDFANLAVAATQ EDPPKMGDLKSLSPGLGSPISGLSKLTPDRKPSRGLPSETKKE FICKPCGRHPTKSYNLLIHERTHITDERFTTCDICHKAPRRQDEL EDHEYIBSKKPPKQBGKGFPQQRITLAVHRTLEMQTSSPTAA SSAAKCSGEIVICGCT
6571	169	656	APDMNRKQLKLTDTLTATNCKHLPRGFDKNDGCVNVLWINGL SLFLRGLSEEMKICYFVFDLNGDGFISKEMPHMLKNSLLKQP SEEDFDEGIEDLVEITLKMDDHHDGKLSFADYELAVREETLLL EAPGCPCLPDFKQMEFEAQVFQDPNEFNDM
6572	49	1646	TPERAQPGALIGAAGCCVCGGRNWPFRSHRGYPSSAKMGSKREN LSCSERHQKLVNENYCKKLHVQALKNVNSQIKNQMVQENDNRV QREQLLELLQNEQFELDMEBATQAEENRQLKQLQEQEKLAM ELAKLKHESLKDEEMRQVRENSIELRLKELKLAATYMNKERA QIAEKDAIKYEQMRDABIAKTMMBEHERIKKEENAEDKRNEA KQYTLQLEKQLEBQSKKQRAYEQLLKELMIDRIVRKIYED QLEKQKLEKQNMAREYIREPQEQALMKKKRREMEENRRTI EPANMQQQRREEDMAKVQENREERLQALQALQKLEMLQRED LEQVRQELYQSEQABIKYKELKEBAKKLRKQKEMKQDFEQMA LKEHLVLAKEEENFRCTMLAKFAEDDEIEMNAQEQRMKQLE HERAVERKIKERRQQFLADKQRELEKQWLOQRROGFINAIEBE RLKLLKEHATNLGYLPKGVFKKEDDIDLGEFRKVVQQRSEI CEEK
6573	767	275	GGGGGESQSFRADGTRTPATDCIMYLQCPKIMTQGGYDMVQK LFLDFRRRLSQRPTAELEQRNLIKPRNBQEBQEKREIKRRL TRKLSQRPTVBELRERKILIRPSDYVEVADQDYRRADKFWTR

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6574	204	1159	<p>LTAAADKVSROECNVEGGRTVCNVLGSLGSSV</p> <p>LESSVPVSVGVWACGVSWTGAAGLQDGAISDTMARNAREKAMTA LARFRQAQLEEGVKERRPFLASECTELPKAREWRRQITGRISK KVAQIQNAGLGEFRIRDLANDEINKLLREKHEWEVRIKELGGPDY CKVGPMLDHEGKEVPCNNGYKYPGAAKDLPGVRELPEREPLPP PKYTRAEIMKADPHTYGLDDEDDGVIVPLQEQYEKLEAEILVE KWKABREARLARGEREEREEREENIYAVTEERSDEBSQEKKG GDDSQQKPIAHVFPVPSQOEIREALVRRKMKMLLQKYASETLQAO SEEARRLIGY</p>
6575	117	820	<p>SPALASQSGGITERRMLRPQENQVIDLPDYHVEDETFFPPPPP ASPERQDGGTEPDEESGNGAPVPPPKRTVKNIPKIDAQRLI SERGLPALRHVPDKAKPFCRGHEAEKOLEMLIRHEHWAHRLFPK LQFEDPIDRVEYLGSKKEVQTCIKRIRLDLPILHEDPVSNDEV AENNEHDVTSTRLDPFLTNLSEMFASRLSISLTERQQORIER NKQLALERRQAKLP</p>
6576	1	1060	<p>PEPQALVGQKRGALRLVRLVLTVSAPAEVRRVLRDPVLSKMD RETRALADSHPRGLGVDVPGVQAPGRVAFVSEPCAFSYADFVR GFLLPMLPCVPSSAFTQNGSRRRWVTPAGRDPDPIHLRLTYGDV VVPVANQGVQETNSNPKEEMTLRDYITWKEYIQAGYSSPROCL YLEDNHLCRDPFVEDVFTLPVYFSSDNLNEFDALDVIDDYFRVY AGPAGSWSEFPHADIPRSFSWVNVCGRKMLLPFGQKEALRDR HGNLPYDVTSPALCDTHLHPRQLAGPPLBITQERAGENVPVPSG WHHQVHNLVMCCFSCPLSGAFLQEDGSTTSPLSQPKLGWNGVAH G</p>
6577	2271	987	<p>SDRMASDDPDIIVIRANLEADPYKKEDEQQRKEVKDYPSNTTS TSNSGNETSGSSTIGETSNRSDRDYRRNRSSRSRSPQRCHR SRSDNRHGSRSRSDHREDRVHYRSPPLATGYRYGHSKSPHF REKSPVREPVNDLSPERDARTVFCMQLAARIRPDLEDFFSAV QKVRDVRIISDRNSRRSGIAYVEFCIQSVPLAIGLTGQRLLG VPIIVQASQAENRLAAMANNLXNGGGMRLYVGSILHFNITD MLRGIFFBPGKIDNIVLAKDSITGRSKGYGPIITPSDECARRAL BQLNGPRLAGRPMRVGHVTERLDGGTDITFPDGDQELDLGSAGG RFQLMAKLABGAGIQLPSTAAAAAQAALQALNCAVPLGA LNPAALTALSPALNLSQCLQLSSILPTQTH</p>
6578	377	1489	<p>PSSATMNRAPLKRATILEMALTGASDPSAREANGEKPFILRA LQIALVVSILYVTSISMVFLNKYLLDSFSLRLDTPIPVTFQCCL VTLLCRGLSALAACCPCGAVDFFSLRLDLKVARSVLPISVVPFIG MITPNNLCLKYVGAFYNVGRSLTTFNVLLSYLLLEQTTSFYA LLTCGIIIGGFNLGVDQEGAEGTLSWLGTVFGVLASLCVSLNAI YTTKVLPAVDGSIWRLTFYNNVNNACILFLPLLLLLGLQALRDP AQLGSAHPWGMMLTGLPGFAIGYVTGLQIKFTSPLTHNVSGTA KACQTVLAVLYYBETKSLWTSNMVVLGSSAYTNVRGWEMK KTPREPSPKDSEKAMGV</p>
6579	2	711	<p>RPPRVWYPELRELAAAAPRWSHRTAPGLMVFFYFTSSSVNSSAYT IYMGKDYENEDLIKHWGPEDIWPHVDKLSAHVYLRLLHKGNI EDIPKEVLMDCALHVKANSIQCKMNNVNVVYTFHSLNKKRTADM DVQGIQPHRQKDVIIIVTVEKKVNEILNRLKTKVERFPDLAAEK ECRDRREARNKCAQIQEMKKREKEMKKKREMDLRSYSSLMKV ENMSSNQDGNDSDEPM</p>
6580	62	1571	<p>LVALKNWPKPGTINIPAPQSPVFGRAVSGVYMTFVLGMAPVLGP RPPQEQVGPLMVKVERKEERGKYLPSLEMFQRFRQPGYHDTGP PREALSQRLVLCCEWLRPRIHTKEQILELLVLBQFLTILPQRLQ ANVQEHCPESAREAVTLEDLERELDEPGHQVSTPPNEQKPVWE KISSSGTAKESPSSMQPQPLETSEKYSWGLYIQESGEEQBPFA QDPKVRDCRLSTQHEBSADEQESAEGLGDIISVIANKRFB ASLERQCVNLNENEGTKPPLQEAGSKRGRESVPTKPTGERRYI</p>

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			CACGGKAFSSNSNLTGKRRHTGKPYVCTKOGKAFSHSSNLTGKHYRTHLVDRPYDCKGKAPGQSSDLEKORMHTBAPYQCKDCGKAFSGEGSLIRHYRINTGKPYQCEGKSPSQHAGLSSHORLHTGKPYKCEGKAPNHSNPNKHHRIHTGKPYNCHCGKTPFCKSNLSKHQHVHTGEGEAP
6581	228	476	RVFLKDLSSTPMASNNTASIAQARKLVEQLKMEANIDRYKVSKAADLMAYCEAHAKEDPLLTTPVASENPFREKFFCAIL
6582	1428	718	CFTTKHCSPVSVPYLSPLVLRKELESLLENREDQVITSSPINQHPPIFWTLWVYFRRLDPLSNLPLGLITSEHCNEGVQLPLSSLSQDSKLVYIQLWNTINLHQEPREPLYVSWNFNSEKESLLSEEQBSTSLVETIRQSIQENNVLEPINLLSQMKPKMKRORSLYREILPLSLVSLGRENIDIRAFDNEYGIAYNSLSSEILERLQKIDAPPSASVEMCRKCPGAPLI
6583	487	41	RIFSWTSGRLRWCTWRPATALWSASIRLGTSSMHPSPRSISLPLSMMLSPPLSPNTRGLSPTALFRSPDSEHATSCEHLHLWRCRAPLRSFSPILGRILQVLPSPPLHVHTNSGKEVLGLQVQSRSGTGPACSQAGSGAVQGGNWCIF
6584	189	1750	PLPKAALGPSSQNVTEYVVKVPKNTTAKKNIMAFNAADKVNFEATWQARLERDLSENKCTYQEEEMPESGAGSBFNKLRBARRRKYGIVLKRPEDQPNLLRVNGKSGRKPQIKKGGVTENTSYYLFTQCPDGAFAPVFNWYNFTPLARHRTLTAKABEERERRNKVLNHPFINQORRLKDQDDEDEEKEKGRKASELRIDHLDLLEMSDASDASGEGGRVPAKKKAPLAKGGRKKKKKGSDDRAFSDSDGDFBQGEVDYMSDSSSSQKEPESKARAPQEECPKGVDBQSDESESEEEKPPEDEKKEEEKKAPTQEKRRKDSSESDSEESDIDSEASSAFWAKKCTPPKREKPSGSSRGNRPOTPSABGGSTSSTLRAAASKLBQKRVSEMPAAKRLRLDTGPQSLSGKSTPQPPSGRTFTNSGDVQVTDVARRYLTRKPMITKDLKPKQTRKTGLSSSEQTVNLQILKRLAPERRMINDKMHFSLKE
6585	3	1678	GPILRSRIDDFVGGDPRAEASCSVLHSEKPHAMADSDPASDQMHKXBQRAAQKADVITGAGNPFVGDILNITVGPFGPLLVDVFTDEMAHFQREKIPERVVHAGGAGPGYFVTHDITKYSKAKVFEHIGKKTPLAVRPSVTVAGESGADTVRDPGFAVKPYTEDGHWDLVGNNTPIFPTRDPILFSPFTHSQERFPQTELDPMVNDPWSLRPESLRQVSLFLSDRGIPDGHRRHNGYGSHTFLVHANGRAVYCKPHYETDQGIKNLSVEDAARLSQEDPDYGIKRLPHALATGKYPSTFYIQVMTFAQASTFPFNPFDLTKVWPHDYFLIPVGLVLNRNPNVNYFARVEQIAPDPENMPPIKASFDIMLQGLFAYPDTHERRLGFNYLHIPVNCYPYARVANYQDGPACQDQDQDAPNYYPNSPGAPEQQPSALEHSIQYSGEVRRNTANDONVTQVRAFYVNVINEBQRKLCENLAGHLKDAQIPIQKKAVKNFTVHPDYGSHIQALLDKYNAEKPKNAIHTFVQSGSHLAAREKANL
6586	32	804	PLPEQPAESTSTMPVSGTPAFNKKRISSKLIMELTGGGQESSGLNLGKRLSVPRDVMLEKLSLLTNRGSEMPKLRQMRVEKFTYERNDPVPFSDSSMDHFKQLPTVGGQLGTAGQGFSSYSKSGRGGSQAGSGSAGQYGSDDQHELGSAGGAGTCCPAGQAGGGAAGTAGVGTGSGDQAGGEGKHITVFKTYISPMERAMGVDPQKMLGIDLLAYGAKARLPKYKSFNRTAMPYGGYKASKRMTQMEKV
6587	75	1117	RRVPSLGKMPCEHDGHDYETPYGLLEVVIRGSPHGNRPAILTYHDVGLNHLKCFNTFPNFRDMQBITKHPVVCHVDAPGQGVGASQFPQGYQFPSPMEQLAAMLPSVVQHGFYKTYIGVIGVAGAYVLAKFALIFPDVLEGLVLVNIIDPNKEGNIWAAATKLSCLTSLPDTVLSHLPSQERLVNNTLVQSYRQYIGNVVNQAKLQLFNMYNSRRDLDIRPGTVPNARTLRCFVMLVVGDNAPAEQGVYECNSKLDPTTTTFLKMDSSGGLPQVTPQGLTEAFKYFLQGWYNPSASMTLARSRTASLTSASSVDGSRPQACTHSESSBGLQVNHINEVSC

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6588	137	501	LGQLQAQLLELRNNYQLSDLEKNGVELTSLRQKVAYLDKRFESK AQKALSKSKAQGEVVLSENEMLOAKLESQBEDFRLQNSTLMA BPSKLCSCMEDLEQENQQLKEGACAGVQAGP
6589	2	1405	RPMSAMATFSEQRFFQQLQCCLLPTAQGGLOQINLLLAICLA CRLLNRLGLPSYLKEASTVAGGPPSLYHFFQLEHVVVLLSLLC YLVLPLCRSSSRRGVFLSVTILYLLNGEMDAVDVTWHEMRQA QMIIVAMKAVSLGFDLDRGEVGTVPSPVBPNGYLYFVGTIVFGPW ISPHSYLQAVQGRPLSCENLQKVARSLALALLCLVLSTCVGPTL FPYPIPLNGDRLLNKKRARGTWMVRLAYESAVSPHPSVYFV GFLSEATATLAGAGPTEKKHLEWDLTVSKPLNVELPSMVEVV TSWNLPMSTWLNKYVFNALRLGTFSAVLVTYASALLHGSPH LAAVLLSLAFITYVHVLRKRLARILSACVLSKRCPPDCSBQHR LGLGVRAINLLFGALAIPLAYLGLSLFDVDDVDDTTEQGYGMAY TVHONSLSWASHVWTFGCWTFYRLIG
6590	2177	656	VRAYZHVLSLENVPTPMFCHRDYFRQLLEGASPTRNSKLNK GSLSDDDFRNTQKRGSFGISBIGSKLKGVPKSTMEGAMLPNY GVAEGEDDFIEEGIVVMEODSFEAVSTFPTFRNLAAWKISIPY VDFFEDPSSERKKKKRIIPVPCIDVERNDRAVCHPEHNSVYR RYLEFYVLESKLTBFHGAPFDAQLPSKRIIGPKNYEFLSKRER PQETYLQKLLQHPLENSQLLADFLSPNGGTQPLDKILPDVNLG KIISKVPGKLMKRGQHLPEPPIMNFINSCESPKPKPSRPELTIL SPTSENNKKLPNDLFNNANRAENTERKQNYFMEVMTVEGVY DYLMTYVGRVVPQVPMLEHLLMGTILFNTLEMYTDYTLQCKL EQLPQEHRLVSLITLLRDAIFCENTEPRSLQDKQKAKQTFEEM MNYIPDLLVKCIGBETKYESIRLLFDGLQQPVLNKQLTYVLLDI VIQELFPELNVQKEVTSVTSWM
6591	2177	656	VRAYZHVLSLENVPTPMFCHRDYFRQLLEGASPTRNSKLNK GSLSDDDFRNTQKRGSFGISBIGSKLKGVPKSTMEGAMLPNY GVAEGEDDFIEEGIVVMEODSFEAVSTFPTFRNLAAWKISIPY VDFFEDPSSERKKKKRIIPVPCIDVERNDRAVCHPEHNSVYR RYLEFYVLESKLTBFHGAPFDAQLPSKRIIGPKNYEFLSKRER PQETYLQKLLQHPLENSQLLADFLSPNGGTQPLDKILPDVNLG KIISKVPGKLMKRGQHLPEPPIMNFINSCESPKPKPSRPELTIL SPTSENNKKLPNDLFNNANRAENTERKQNYFMEVMTVEGVY DYLMTYVGRVVPQVPMLEHLLMGTILFNTLEMYTDYTLQCKL EQLPQEHRLVSLITLLRDAIFCENTEPRSLQDKQKAKQTFEEM MNYIPDLLVKCIGBETKYESIRLLFDGLQQPVLNKQLTYVLLDI VIQELFPELNVQKEVTSVTSWM
6592	3	1861	APFPLGSTISSGSMIDANLKLQABQRLKATVAKFAIATKEG DLPPQVERFFKIFPLLGLHEBGLRKFSEYLKQVASKABENLLMV LQDMSDREAAVIFAUTLTLLEFGIARIIVETQPIVETTYGPGR LYTLIKYLQVRCRQVEKVVDPKLEQDYRQPHVONNLMNS TTEKIEPRELDPILTEVTLMANSELYLRLKKRISSDPFVGDS MASEEVKQEBQKCLDKLNNCLSCIMQELIGLYVTMEYFMRE TVNKAVALDTYERQQLTSSMVDEVFYIVKRCIGRALSSSIDCL CAMINLATTLESDFRDVLCNKLKMGFPATTPODIQRGVTSAVN IMHSSLOQGRFDTKGISTDEARMSPLVTIANVEVCSENI STLK KTLRSDCTKLFSQIGGDAQAKFDSCLSDLAASVSKFRDLIQB GLTELNSTALKPQVQWINSYFSVSHNIEERFPNDYEANDPWVQ QFILNLEQQMAEFKASLSPVIYDSLTLGLMTSLVAVELKVVLS TFNRLGGLQFDKELRSLIAYLTTVTWTIRDKFARLSQMATILN LERVTEILDYWGPNSGPLTWRLTAEVSRQVLAALRIDFRSEDIKR LRL
6593	3	1837	EAFSAGSRRRGLALQKGVIGGLGYCPCCCRRGRLLVLLLLVR RGEGGGGEGRGDKRRRRQARRQRRPEPEARGGKMADVLSVL RQYNIQKKEIWWGDEVIFGRFSWPKNVKINYVWGTGREGQPR

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			<p>EYTLDSILFLNNVHLSPVYVREAAENTIPVVERPDRKDLIG YLNGEASTGASIDBSAPLEIGLQRTQVRAADEVLAEAKRPRI EDERCVLDRERLAARLEGHKEGIVQTBQIRSLSEAMSVERKIAA IKAKIMAKKRSTIKTDLDDITALKQRSPVDAEVDVTRDIVSER RVWRTITTILOSTGKNFSKNIPIALQSVKAREGRAPBQRPAPH AAPVDPTLRKQPIPAAYNRVDQRRFKGKEETGFKLDTMGTYH GMTLKSVTGASARKTQTEAPQVFRPVSRQARPPFNQKKGSRTP IIIPAAATSLITMLNAKDLLQDLKFPVPSDEKKKQGOQRENBL IQERRDQMQGGTAISVTVPYRVVDQPLKLPQDMRVRVAVFVQ GPANQPKQWPMILPDGSPVDIIPAKIKAFHLKYDEVRLDPNVQKW DVTVLKLSYKRRHLORPVFLRWETLDORYMVVKKSHLRF</p>
6594	1	1096	<p>EPFGRRFRGSQASPLCATCGPALLRAPTRAAMTRSLPKGNFWSA DILSTIGYDNTIQHLANGKRNCKEPEDFLERAAIHERYGRDILL NLSRKPKQGGSEINTLKRALEVPFKQQVDNVAQCHIQLAQSLREE ARKMEEFREKQLQREKTELIMDAIHEKSLQFKTMDAKNTYE QRCRDKDAEQAVSRANLVNPKQKELFVKLATSKTAVEDSDK AYMLHIGTLDKVRBQWQSEHIKACRAPEAQECERINFPNALNL HVNQLSQQCYSDEMTBQVRKSLKEMCSIQRDIHYFVNQRKTCQI PPAPIMTYNYSSQKNAVPAGKATGPNLARRGPLPIPESSPDDP NYSLVDDYSLLYQ</p>
6595	57	781	<p>PLGTMSDSILGDEGILLSLAGKRRRGNLPKESVKLLRDWLYLH RYNAVPSSEQKLSLGGQTNLSVLQICNWFINARRLLPDMLRKD GKDPNQFTISRGGKASDVALPRGSSPVLAVSVFAPTNVLSLS VCSMPHSGQGEKPAAPPFRGELES?KPLVTPGSTLTLLTRAEA GSPGTGGLFNTPTPTPEQDKKDFSSFQLLVEVALQRAEMELQK QDDPSLELLHTPIPLVSENPO</p>
6596	2	1026	<p>PRLPVRRYHGRRRIQGRSRGHMAEGDAGSDQRQNEIRAMAAY GBEWCVIDDCAKIPCIIRISDDDDPKWTLCLQVMLPNEYPGTAP PIYQLNAPMLKQGERADLSNLSLEIYIQNIGESILYLWVEKIRD VLIQSQMTPEPGPDVKKTEBEDVBCEDDILACQPPSSVKALD FDISBTRTEVEEELPPIDHGIPITDRRSTFQAHAPVVCPRQV KMWLSKLYENKKIASATENIYAYRIYCEBKQTFLODCBDDGETA AGGRLLHLMELLVKNVNVVSVRWYGGILLGPDPRFKHINNCAEN ILVEKNYTNPSPESSKALGKKNKVRKDKRNEH</p>
6597	2	1026	<p>PRLPVRRYHGRRRIQGRSRGHMAEGDAGSDQRQNEIRAMAAY GBEWCVIDDCAKIPCIIRISDDDDPKWTLCLQVMLPNEYPGTAP PIYQLNAPMLKQGERADLSNLSLEIYIQNIGESILYLWVEKIRD VLIQSQMTPEPGPDVKKTEBEDVBCEDDILACQPPSSVKALD FDISBTRTEVEEELPPIDHGIPITDRRSTFQAHAPVVCPRQV KMWLSKLYENKKIASATENIYAYRIYCEBKQTFLODCBDDGETA AGGRLLHLMELLVKNVNVVSVRWYGGILLGPDPRFKHINNCAEN ILVEKNYTNPSPESSKALGKKNKVRKDKRNEH</p>
6598	1099	419	<p>PRVRHATTMAFSFENFQYRFPFPFTLQPNVDTRQKOLAAMCSL VLSFCRLHKQSSMTVMEAGBSPLFNNVKLQRLFPVBSIQIVLKE LRKKGLEWLDKSKSFLIMWRRPEEWKLIYQWVSRSQGNNSV FTLYBILTNGEDTEDEFHGLDEATLLRALQALQBEKASIIIVS DGPRRQVLLAGTCLPLLLTSHLSRAFKRRQTCPPKTKGSVTPPD SKGLQS</p>
6599	164	1593	<p>KMAALTTLFRYIDENQDRYIKKLAQWVAIQSVSAWPKRGEIR MMEVRAADVQLGGSVELVDICKQKLPDGSRIPLPPIILGRIGS DPQKKTVCITYGLDVQPALEDGWDSEPTLVERDGLKHGRGST DDRGFPVAGWINALRAYQKTCQBI PVNVRFCLEGNESGSEGLDE LIFARQDTFFRDVDYVCISDNVWLGKKKPCITYGLEGICYFFIE VECSNLDLHSGVYGGSVHEAMTDLILLNGSLVDKRGNTLIPGIN EAVAAVTKEKHLYDDIDFDIERFAKDVGQILLESHEKDKILMH RNRYPSLSLHGIBGAFSGGAETVTPRVVGRFPIRLVPNMTEP</p>

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			VVGEQVTSYLTKKFARLSPNEFKVYMGGGKPNVSDFSHPHYL NGERRAMKTVFGVEPDLTREGGSIPVTLTFQBATGKNVHLLPVGS ADDGARSQNEKLNRYNYIEGTENLAAYLYRVSQKLD
6600	2	934	PGELFRVAANESAGLEQLIRELLLPTEIRIRATEQLQIVLRAP AALSALCDLLAGAADPQIQPAAVLTTRRLNTRWRLLAABOES LESLLTALQRETHCVSLSLAQLSATIFREKGLBAMVQLQLL QSTHSPHSPEMGLLLSVVTSRPEAFQPHRRRLRLNRYT LGEVGSPLGLPYSLRTLTMAFYLTSTEDVPLARMLVPLDAMQ TLIPIDEAKACRALEALDELLESEVVTITPYLSEVLTFCEVAR NVALGNATRIRILCCLTLFLVKVKSALLKRNLLATLAARPFFHC GC
6601	529	1420	PRAAARAPPPAVLRDRRAATAPGAGEMTLHGPLAORYFLNHT KITTWQDPREKMNQPLNEMNLHPAVSSTFPVQSRMAVSQPHLM NHQHQQCMAPSTLSQNEPTQNPAGLMSYFNALTTQOQQOQEL RLQRIQMRERRIRMQEELMRQEAALCQPLMEATLAPVQAAV NPTTMTFDMRSITNNSDPFLAGGPPHRSREQSTDSGLGLGCYSV PTTPEDFLSNVDEMOTGKAGQTPMNINPQTRFPDFLDCLEPCT NVDLGTLESEDLIPFNVDVSALNKSPPFLTWL
6602	127	617	LDDFPALPKFVLAQSPFAQKPSMTSMQSLREVIKAMTKARNP ERVLAGKITVSAADGKVICEMKVBREHINAIGTLHGGLTATLVD NISTHALLCTERGAPGVSDMNTYMSPAKLGEDIVITAHVLKQ GKTLAFTSVDLTNKATGKLLAQGRHTKHLGN
6603	79	660	PVGPSSLAARTGLGHLPLHRLASSRGLMDLLQPLAFLPVLLL SGMGATGTLRTSLDPSLEIYKMPFVKRREQLLALNLAQLNDI HQQYKLLDVMKGLFKVLEDSRTVLAADVLPDGPFPQDEKLD APSEVVENFAPGDUVLRFPRIVHYYPDNNSNWLIRNGISPC NCTGVNQGPHSPILSLH
6604	3	688	TSTAQRGGGRMSFRGGGRGGFNRGGGGGPNRGGSSNHFRGGG GGGGGQNFRRGGGRGGFRRGGGGGGFNRGGQDQPPERVLLGEPL HPCEDDITVCKCTIDENKVPYFNAPVYLENKEQIGKVDEIFGQLR DFYFSVKLSNNKASSFKQLQKPYIDPYKLLPLQRPPLFRPPGRK GPPRGGRGGRGGGRGGGRGGGGGGFRRGGGGGGGFRGGRG GGFRGRGH
6605	7	848	SGSRGAMRAAGVGLVDCHLSAPDFDRDLDDVLEKAKKANVV ALVAVAEHSGRPEKIMQLSERINGFVLPCLOVHPVQGLPPEDQR SVTLKDLQVALPIETNYKDRLLAIGEVGLDPSPRFAGTGBOKEE QRQVLRQIQLAQKLNLPVNVHSRAGRPPTINLLQEQGAEKVL HAFDGRPSVAMEGVVAGYFFSIIPPSIINSQQKLVKQLEPLTSIC LETDSPALGFPEKQVRNEPWNISISABYLAQVEGISVREVIETVT QNALKLPPLRHLLQK
6606	2	1682	FTIRTPRAEVANLSAHSASPIQDAVLKRLSLLEDIVYRQNLGLS KSLGLEGGYGRGKGGGLPATLSPAERREKAGPHRYGYNSYLSR KISLDRSIPDYRPTCKELKYSKDLPOISITFTFVNEALSILR SVHSAVHTPTHLKKEILVDNDSDEBELKVLEKYVHKRYPGL VKVVRNQKREGILIRARIEGWKATGQVTFPDHVEFTAGNAEP VLSRIQENRKVILPSIDNIEQDNFEVQRYENSAGTYSWELWCM YISPPEDNWDAGDPSLPIRTPAMIGCSFVVNRKFFGRIGLDPG MDVYGGENTELGIKVMLOGGSMELVPCSRVARIERKKKPYNSNI GPTTKREALVAEAVHMDYKSHVYLAHNLPLENPOIDIGDUSBR RALRSLKCKNPQWYLDHVYPEMRYNHTVAYGELRNKAKDVC LDQGPLNHTAILTPCHGWPOLARYTREGPLHLGALGTTTLPL DTRCLVDNSKSLPQLLDCKRVKSSLYKRNFIQNGAIMNRGTC RCLEVENREGLAGIDLILRSCTQRWTTIRNSIK
6607	137	986	VPACAGLCKEARSLLASPPRLINTKLQASCALFSPPIQSRYTT GISFCGRGGAGGVPTRTQVPAAMGAVNGTYSLSLQTRQRPSKD KTEDELENTMVCRRPEGLEQLBAQNTFTREQLQVLYRGFKNECP

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			SGVVNEDTFKQIYAQPPPEGDASTYAHYLFNAPDTTQIGSVKPB DFVTALSILLRGTVHEKLRNTFNLIDINKDGYINQEEMMDIVKA IYDMACKYTYTPVLKEDTPQHVVDVFPQKMDKNDGIVTILDRFLE SCQEDDNIMRSLQLEQNVN
6608	224	1140	RPCPSSPTGLCPRLSYFMILLQHAVLPPFPQSPSPSPMSVATRS TOTLQLPPQKPPQGRASLPLAGBEELSKEGQDCALREELCKPLY CKLCNVTLSAQQAQHTQGENHKKLRNYAANSCPPPARMSN VVEPAATPVVPVPPQMGSPKPGGRVILATENDYCKLCDASFPSSP AVAQAHYQGENHAKRLRLAEQNSPSESSRLQRRARKEGNEF KMMENRNMVTVQANSGPYFNPRSRQRIPIDLAMCVTPSGQPYC SMCNVGAQEMEPQHLSEKQHKSVSEQRNEMENLGYV
6609	1	443	FLRCRRFPVAGGRLAGAGLRESRVPAPEQRLSALTLLSWSAVT PAEPGNGFQLSPAEPRGPLASPURAAPRACPAAEMSELNTKTS PATQQAQGEKGRAGVVKAREEBEIDILTAPETKALALAQ GKFRFPQKRKKDPSS
6610	319	881	GRKSLCNLHPIFRFPLTYPMYMGMMCTAKKCGIRPQPPAILLI YESRIKGIQRIMPVNPSKPSDCTRAAEQLKENPRKSYLEQ VSLAQLEKLPFLWGYLSQSLAETMEQIQRETTIDPREDLNL DKELAKRKSIMDELFEENQKKRDDPNFVYDIEVEFPQDDQLQS CGWUTESADEP
6611	978	212	PGCSGAGSRVWVLPALREHLAMGSTESSEGRVSPGVDEBERVRV LQGVRLSENVVNRMEFPSSPPAPTSTSTGLQDGNLRAPHKEST LPRSGSSGCGQPPSGMKRGGVIRYBQHAJQDKLPQVAKREREAA TKHSKASLPTGEGSISHREKQSVRLARELSREARLRRTDPFK EOLERTERKNAEMKLSSEQFHEAASEMESTIKPRRVEPVCSEL QAQILHCYRDRPHEVLLCSDLVIAQVRCVSAARKG
6612	1724	992	VSTHASALSRTOGQPOQPRAAASGAGAGTAGGGGSGGAGSGKM STEAQRVDDSPSTSGSSSDGQRESVOOBPEREQVQPKKEGKI SSKTAAKLSTSAKRIQKRLABITLDPFNCAGPREGDNIYEWRS TILGPPGSVYBGGVFFLDITFSPDYPPKPKVTFRTIRYHCNIN SQGVI CLDILKDNNSPALTISKVLLISCILLTDCNPADPLVGSY ATQYMTNRAEHRMARQWTKRYAT
6613	130	748	EIELSSNMPEQSNDRVAVFGAGGVGKSSLVLRPVKGTFRSEYI PTVEDTYRQVISCDKSICTLQITDTTGSHPQAMQRLSISKGA FILVYSITSRQSLRELPITEQICEIKGDV3SIPINLVGNKCDR SPSRBVQSSEARALARTWKCAFMTSAKLARHVKBFLQELHLE KRRTVSLQIDGKSKQKREKRLKGCVM
6614	3	1191	SSAABAMRVLVRECNPGPLAEGARRGRFSPQWRALARLGMEDCR DSRVREKPPWRVLPFGTDQFARBAIRALHAARENREELIDKLE VVIMPSPSPKGLPVKQYAVQSGLPVYEWPDVGSGETDVGVSF GRLLNEALILKFPYGLNVHPSCLPRWRGPAPVIBTVLHSDTVT GVTIMQIRPKRFDVGPILRQSTVPVPPKSTAKLEAVLSRLGAS MLISVLKNLPESLSNGRQQPNEGATYAPKISAGTSCIKNBQTS EQIFRLYRAIGNIIPLOTLMANTIKLLDLVEVNSVLADPKLT GQALIPGSVYHKSQILLVYCKDGNIGVRSVMLKSLTATDPY NGYLHPWYQKNSQAQPSQCRPQTLRLPTEKKQKKTVMQOCIE
6615	832	35	GRVGAGASAMSRIPGDVRAFLREHPSLRLOTDAKVRCLITGHE LPCLRLPELQVYTRGKYORLVRASPAFDYAEFPHIVPSTKNPH QLPCKLTLRHINKCEHVLEHTQGRRYQBALCKYECQKQGVBY VPACLVHRRRRREDQMDGGRPRPRAFWEPSTSSDEGGAASDDSM TDLYPPELFRKDLGSTEDGDTDDFLTDKEDKAKPPREKATD EGRRETTVYRGLVQKRGKQLGSLKCKFKSHRKPSPSSCKQS G
6616	347	1886	LLPPCQGARPLSSPFPASDNLFLFNCCILCAFPFSPQPLQYP VWPLLIVITQIPAPRHLNRPPSPFSRGGLSFSGSLSTPSICRS

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			PAWVKAPHPHPPKGLVPAVLMLGLSLFLNLPGPIWLQPSPPPPQSSP PPQPHPCHTCRGLVDSFNEGLERTIRDNFGGNTAWREKNLSKY EDSETRLEVEVLGVCSKSDFECHRIELSELVRSWFWHQEQA PDLFQWLCSDSLKLCPPAGTFGPGSCLPCPGGTERPCGGYGGQCEG EGTRGGSGHCDQAGYGGGACQCGGLGYFAERNASHLVCSACP GPCARCSPGPERBNCLCKKGMALHHLKCVDDIEGTEGANOGAD QPCVNTGSGSYECRDCAKACLGCMGAGPGRCKKCSFGYQQVGSKC LDVDECEVEVCEGHEKQCEWTEGGYRCICAGYKOMEICVKEQ IPESAGFFSEMTDELVLVLQMMFFGIIICALATLAAGOLVFTA IFIGAVAMTGYNLSERSDRVLEGFIRGR
6617	118	673	VHMANQVSLLELDELQCEFCLEVPKBSIMLQCGHSYCKGCLVS LSYHLDTKVRCPMCHQAVDGSSSLPNVSLANVIEALRLPGDFBP KVCVHRENPLSLFCEKRDQLICGLGGLGSHQHHPVTPISTVCS RMKEELAAFLSELKQEQKVDLIANLVNRTRIDGSAPSLCPC LGPATFTFL
6618	548	136	DGKVARRAPNSPAFQNDIYPLVSAPRATTAEPSWVKVLQNTQCR NVPKMTERSRIPCLSAARAEGTGQQQEGRAMATLDRKVPSPR APLCKPSSSWIDAALHCSQNDVDLEZAGKBOCKSRBVMRLNKEA WKYGT
6619	246	842	PASSEVLTAAMVFLLLNCIVAVSQMMGIGKNGDLFRPFLRNEFR YQRMTTTSSVEGKQNLVINGRKTWFSIPEKNRPLKDRINLVLS RRLKRPQGAHFLARSLDADLKLTERPELANEVDIMWIVGGSSV YKEMNHLLGHLKLVTRIMQDFSEDTFFSEIDLEKYKLLPEYPC ILSDVQEGKHIIKYKFEVCEKDD
6620	3	1879	NSRVDDFVARARMAAENASQBSALGAYSPVDYMSITSFPRLPB DEPAPAAPLRGRDEDAFLGDPDTDFDSFLKSARLQRLPSSSSB NGSQDGSPLRETRKDPFSAARAEBCSCRODGLTVIVTACLTFATG VTVALVMQIYFGDPQIFQGGAVVTDAACTSLGIEVLSKQSSV DAVAALCLGIVAPBSSGLGGGVMVHDIRRNESHLDIFRBS APGALREETLQRSWETKPGLLVGVGMVGLNEARQLYGRLEWS QVLAFAAAQAQDGNVTHDLARALAEQLPPMSERPRFTFLPSG RPLPGSILLERPDABVLVGLTSGPAAFYAGNLTLEMVAREAQ HAGGVI TEEDFBNYSALVEKPVCGVYRGHLVLSPPPHRTGPAI SAINILEGFNLTSLSVRREQALEHWVAETLEIALALASRLGDPVYD STITESMDMLSEVBAAYLRGHINDSQAPAPLLPVYELGAPT AAQVLIMGDDFIVAMVSSLNQPFGSLITPSGILLANSQMLDPS WPNRTANHSAPLENSVQPGKRPLSFLPTVVRPAEGLCGTYLA LGANGAARGLSGLTQVRFTFWLAFFSRBPSGLDCRCLSYLNLV SIPHAANMG
6621	1	662	VQGITSYQQRLLQALRKRKSRDAARSRRGKNFPFYELAKLLPLP AAITSQLDKASIRLTIYLEMRDPANQDPPWNLNMBGPPPT SVKVIQAQRRRSPSALAEVFEHLGSHILQSLDGYVFAINQEG KFLYISETVSYTLGLSQVELTGSSVFDYVHPGDHVEAEQIGMK LPPGRGLLSQGTARDGASSASSSSQSETPRPVVCFPPASDQFLL
6622	2	319	GRASGAQRETEAGGPERARABANMPKREKPCRSRLRIKVISMG AEVKGSCIIRYCEKRFVSKYLATIGIDYGVTKVHVRDREIRVN IFDMAGHPFFYEVREPF
6623	1886	189	KALFERVKKFRLHVEEGDILYAMYVRQTVLKVIFLIITAYNSA LVSKVQFTVDCNVDIQDMTGYNFSCNHTMAHLFSKLSPCYLCF VSIYGLTCLYTLWLFYRSLREYSFEYVRQETGFDDIPEVKNDF AFMLHMDQYDPLYSKRFAVFLSEVSEKLEQLNLNNEWTPOKL RQKLQTNABNRLEPLIMLSGLPDTVFEITELQSLKLEIKNVN IPATTIQLDNLQELSLHQCSVKIESAALSFLKELNVLVSVKPD MRELPMWYGLRNLRELYLVGSLSHDISRNVTLSESLDLKSLKI LSIKSNVSKIPQAVDVSSHQKMCIHNDGTLVMIANLKRMTN LTELELVHCDLERIPHAVFSLLSLQELDLKEDNLKSIETVSPQ

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			HLRKLTVLKLHNSITTYIPEHIKKLTSLERLSFSEHKLIVLPSH LPLCNKIRYLDLSYEDIRFIPPEIGVLQSLQYPSITCNKVESLP DELVFCCKLKLTKIGKNSLSVLSPIKGNLLPLSYLDGKGNHFEI LPPELGDCRALRRAGLVVEDALFETLPSDVREQMTE
6624	218	1786	GSRRGGGSRIPAVSTHVAPGRSVLPPFASQALRLSLVKALGOC RGRPSGLAHLQSTSENRARSRGRACLDPPGELRSFTIMKCTA REWLAVPTVLPMARAIAMVVPBATLLEKLEKYMDGEGENWIA KQGRKRAITDNDMQSILDLHNKLRSSQVYPTASNMETMTDVBLE RSASWARSCLNBEHGPASLLPSIGONLGAHNGRYRPTTFHVQSW YDEVKDFSYPTHEHCNPYCFRCSGFVCTHTYQVWATSNRIGC AINLCHMNINGQIWPKAVYLVCNYSPEGNWHGAPYKGRPCPS ACPPSPGCGCHENLCYKESDRIYPPREESTNBIHQSQSOVHDT HVRTRSDSSRNBSISAQMSQIVSCBVLRLDQCKOTTCNRYBC PAGCLDSKAVIGSVHYEMQSSI CRAADHYGIIDNDGGWVDITR QGRKHYPKSNENGIQTIGKYQSANSFTVSKVTQAVTCSTTVE QLCPFHKPSHCPRVYCPKLYASKSTLCSCHWSSLP
6625	1124	543	PGPRGGGSLSTKALGRSRGLMHPGPFSSGGTEGGVPTALRP GPLVPSTSDNHLKNTLFDKLALRFHGRLLFLKDLGLDBICCW SPYGGGRKLAEVCCISIVYATEKKQTKVFPPEARIPBETLNLILI YBTPRGDPDALLRATGGAAGAGGAGRGEDENREHVRRTYHVR HITDERPHQOIIFED
6626	3	1498	SAVEFVYTDPRFLHIGISVEFLCSLRSDATMESITACILHALQAL LDVWPFRSKIGSDQSGIKLINVLHRLVLTRESPSIQLASLEV RQIIICAAQEHVKEKRRSAEVDGGAEBKTLPEFGEGKDTGGGLVP GKSLVPATLELCVCILVRQLPRLNPKLTGSPGVKATKPKQIILED GSLRVSAALVLTSELPAVCSPEFGSISILPTILYLTIGVLRETAV KLPGGQLSSTVAASLQALKGILSSPMARAEKSRATWDLRLSAL TTILDCHDPVDETHQBLDEVSLLTATITVFILSTSPBVTITPCLQ KRCIDKFKATLEIKOPVVQIKTITQLLHSITPYFPNPAVSYPYIYS LASCIMEKIQEIDKRPENTABLEIFQEGIKVLETLVTVAKEHM RAQLVACLIPILISFLDENSLGSATSIMENLHDFALQNLWQIG PQYSSVPKSLVASSPALKARLEAAIKGNQESVKVKIPTS KYTKS PGRNSSIQLETSFL
6627	1	697	GIPHLSSRDMTGTPGAVATRDGRAPERSPPCSPSYDLTGKVMLL GDTGVGKTCFLIQFEDGAPLSGTFIATVGIDFHKVVTVDGVRV KLQINDTAGQERFRSVTHAYYRDAQALLLYDITNKSSPDNIRA NLTEIHEYAQEDVIMLGNKADMSSERVIRSEKGTAREYGV PFLETSAKTGMNVELAFLAIAKLEKYRAGQADEPSFQIRDYVE SQKKRSSCCSPM
6628	1	1861	QCAEPGGGGGGGGGGGGGGGGGGGAGGAGGEBENKERNRPSAGSKAN KEPGLSLSLILQIIKESQQHGLRREGDFQYRGYCSRRQRRLR KTLNFRMGNREKPTGKEVTEELLTDNRYLLVLMDAERASAM QLKQKANTSFRKRFHLLSRLKAVKHAELERLCSNRVDATK LEAQAYTAYLSGMLRFEHQEWKAAIEAFNCKTITIEKLASAFTS EQAVLYNQKVEEISPNIRYCAYNIGDQSAINEHMQMRLRSGGTE GLLAELKLEALITQTRARQAATMSEVWRGRTVPVKIDKVIPLI GLAINEAAIVQARSEBTKERLPESMLSECDAIQVVRRELKPDQ KORDYILEGEPGRVSNLQYLHSLTYTIKLSIAIKRNENMARGIQ RALLOQOPRDSKRSRPPQDLIRLYDIIILNLVELLQLPGLEED KAFQKEIGLKLTVKAYRCFFIAQSYVLVKKWSEALWLYDRVLK YANENVSDAGAFKNSLFDLPDVQELITQVRSERCSLQAAAILDA NDAHQETETSSSQVKNKPLVERFETFLDPSLVTKQANLVHPPP GFQPIPCKPLFFDLALAHVAPPLEKLEKQKESGLTGYIKGIF GPRS
6629	5653	4549	GATPLGSGVGGRTGMDAATLYTDTLRFABFEDFPETSEFVMILG RKYSIPTKDEILSDVASRLWPTYRKNPPAIGGTGPTSDTGWGC

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			MLRCGQMI PAQALVCRHLGRDWRWTQRRQPD SYFSLVNAFIDR KDSYYSIHQIAQMGVGEKSIQGWYGPWIVAQVLKLLAVFDTMS SLAVHIAMDNTVVMERIRRLCHTSV/CAGATAFPADSDRHCNGP PAGAEVTRPSPWRFLVLLIPLRLGLTDINKAYVETLKECFMMP QSLGVIGGKPSAHYPIGYVGEELIYLDPHITQPAVEPTDGCPI PDESFECHPPPCMSIAKLDPSLAVVRGGHLSQAPGABCCLGW TRKTFGLRFFPSMLQ
6630	2	423	LVQCGGIRRRSANGAMPGRHVSRVRLYRVLQLHRVLPFDLKS LGDQYVDEFRERHKTGSDERQRFLOKWKVATALLQQAENRQ NSTGRACFGTFLPSEKLDNFRDEQIGQLQELMQEATKFNRFPSI SESMKPKF
6631	2	423	LVQCGGIRRRSANGAMPGRHVSRVRLYRVLQLHRVLPFDLKS LGDQYVDEFRERHKTGSDERQRFLOKENEVYATALLQQAENRQ NSTGRACFGTFLPSEKLDNFRDEQIGQLQELMQEATKFNRFPSI SESMKPKF
6632	1273	588	MNSEGTQGAAPLAPAAAMKAVVQRVTRASTVVGGEQISAYGR GICVLLGISLEDTQKELBDMVRKILNLRVFDESGKHSKSVMD KQYELLCVSQPTLQCVLEGNKPDPHLAMPTRQAGCFYNSFLEQL RKYTRPELLEDGKFCAYMQVHIONDGPVTELESAPGTATSDP EQLSKLEKQQQRKEKTRAGPSBSSSKERNTPREEDRSASSGABG DVSSSEREP
6633	1145	617	ATGRHEGVPTLEGI IQQLVNGIITPATIPSLGFWGVLSNPMFY ANGANGLDIAITOLLNQFENTGPPADKKEIQALPTVVFVTRHV GSGLECFVCKDDYALGERVRQLPCNHLPHDGCIVFWLEQHDSCP VCRESLTGQNTATNPGLTGVSFSSSSSSSSSSSPSNENATSNS
6634	1	1134	CGGIPRKGSGPERRLPMAELRDCLERIMLTLSLLFWSLVVCYC GLCASIHLLKLLSLGKGPQATFRPAREHPACLSDPSLGTHC YVRIKDSGLRPHYVANGERGKPLMLLLEHGFPEFWYSWYQLREF KSEYRVVALLDLRGYGTDPATHRONYKLDCLITDIDKILDSLOY SECVLI GHDGGMIAWLAJAI CYPMVMKLVINPFPNVPTEYI IRHPAQLLKSSYYYPQIPWPEFMSINDFVLEHLYTSBSTG IGRKGQCLTTEDLEAVTYVFSQCALSGPINHYRNI PSCLPLKH HMTVTPTLLLAGENDAPMEVEMAEVTRFPYKVPRLTILSEASH WLQDDQPDIVNKLWITFLKESTRKD
6635	1420	470	EMRAGQQLASMLEWTRANELPREGLPHGPFARVFPVAFSSSSG GRGGAEPRLPLSLYRLDGEAALPAVVVLHGLFGSKTNFNSIAK ILAQQTGRKRLTVDAHHGDSPHSPDMSYEIMSQDLQDLLPOLG LVPCVVVGHSMGGKTAMLLALQRPVELVERLDAVDLSPVSTGVS HVAITYAAMRAINIADLPFRSRARLADQLSSVIQDMAVRQHL LNLVEVDGRFVVRVNLDAALQHLQKLLAPPORQESYLSPTLPL LGGNSQFVHPHHPEIMEELFPRAQMQTVFNAGHWHADRPQDPFI AAIROFLV
6636	1514	1801	SFCMFSHKQDSHFQAVPVQEKRRRLRRAPWRAFAQPQRLKHPAE QPIVRQCLQRPPICGVLGVQQLPSPSLGVLSPHSDFGWCERVD DGGDGVF
6637	2	1501	CSSEPCPHDGTCLVDKAGSYKACLAGYTGRCENTLEAGSKY KASEDSL SVLEERNCSDFGPFVNGYOKITGGPGLINGRBAKIGT VVSPPCNSYVLSGNEKRTQONGEWSGKQPICIKACREPKISD LVERRVLPQVQSRETPHLQLYSAAFSRQLQSAPTKKPALPPG DLPMGYOHLPTQLQYECISPFYRRLGSEERTCLRTGKNSGRAPS CIPICGKIKENITAPKTQGLRWPQAAYRRTSGVHDGSLHKGAW FLVCSGALVNERTVVAARCVTDLGKVTMIKADLKVVLGKFYR DDRDERTIQSLQISAIILHFNYPDPIILDADIAILLKLDKARIS TRVQPICLAASRDLSSTFQBSHTVAGWNVLADVRSFGPKNDTL RSGVVSVDLSLCEBQHEHGIIPVSVTDNMFCASWEPAPSDIC TASTGGIAAVSFPGRASPEPRNHLMSLVSNSYDCTCSHRLSTAF

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6638	1391	224	TKVLPPKDMIERNMK GGIPQAGGKMAAPWRAALCECRWRGPFSTSAVLGRRTPPLGPM FNSIDLSNLERLEKYSPDRYERRAEQRAQAPHNRTTYEYFG EETDPREKIDIGLPPFKVSRTOQLLEKQAIQELRANVEKERRA RLRTASVFLDAVRAEMERTCGPYHKQRLAETGLYRDLPHGATF VPRVPLHVA YAVGEDDLPVYGENVTPTAAQAPSVTYEABEG SLWTLALLTSLDGHLEPDAEYLEWLLTNIPGNRVABGQVTCFYL PPFPARGSGIDRLAPLLPKQDQIDFSEDAFPSPCYOLAORTFR TFDFYKKGQETMTFAGLSFFQCRWDSVTYIFQLLDMREPVFR FVRPPFTHPQKRRFPHQPLRYLDYRDSHEFTYGY
6639	2046	1268	IGCFIMDGDDGNLYIKKRFVSEARLDERKKRQREKVRKPE DPBECPEVYDPRSLYERLQEQKQKQYKQKQKQKQKQKQKQKQ KQ NEKEVEKKLVKPIETENKFSQAKLLAGAVKHKSSSESGNSVKRL KPDPEPDDNMQEPSSCKSLGNTSLGSPSICPSSAAVCIGILPGL GAYGGSSDSRSSDSSEGTINATGKIVSSIFRTNTPLEAP
6640	117	1043	VLEPPDVSMARESDRSRLVVGKTCGSKSATANTILGERIFDS RLAAQAVTRKQCASREWQGRLLVVDTPGLFDTERSLDTCKE ISBCILSSCGPHATVILLGLRYTRESQRTVALIKAVPGKSAM KENVILPTRKRELEQQSFHDFIADADVLESIVKQGNRCCAFS NSKETSIAEKESQVQLVELIKRMVQCNBGAFFSDDIYKDTERR LKQREVELRKIYTDQLESEIKLVEEDKHKSEKKEKQKILKLLK YDEKIKNIRREARENIFEDVFNRIKMLSEIWHRPLSKCKPYSS SAAVGRSEVRGCAHPRLRRSARRMDPVPGTDSAPLGLAWSS ASAPPFRGFSALISCTVEGAPASFGKFAQKSGYFLCLSSLGSLR NPQENVVADIQIVVDSPLPLGSPVCDPMDSKASVSKKRMCV KLLPLQATDTAVFDVRLSGKTETVPGYLRIGDMGGFAIWCCKAK APRPVPKPRGLSRDMQGLSLDAASQPSKQGLLERTASRLGSRAS TLRRNDSTYEASSLYGISAMDGVPTLHPRFEGKSCSPLAFSAP GDLTIKSLADIEEYNYGVVVEKTAARLPFSVS
6641	1	394	PLRRRMTHMDPNDQORDIYFELRLIAPDAESDPSNAPGSGTE KRGMYITQDYMLGFTFHINPAMDFTQTFFGLALNDMLYLAUV HQDTYIRIVLENSREDEHCEPGRSAIRITMLCEITLQVGEPL NEGRNDTHPMFFTHDAFEELFGICIQLLAKTWKEMRATAEDFN KVMQVVREQITRALPSKPNSLDQFKSLRSLSYSEILRLQSER MSQDDFQSPPIVLRREKIQPILLELIKQQLNRLCEGSSFRKIG NEERQERFWYCRALNEKVLHYGDLDDPQGBVTPESLQEKIPV ADIEKATVTKDCPEMKESALKQNEVLELAFSILYDPDETLPF IAPNKYEYCIWIDGLSALLGKMSRLTKSDLDTLSSMBMKRL LDLENIQIPEAPPIPEKPSYDFVYHYG
6642	22	1296	SLHAPAEGRTRGLAKPEMLTRKTKLNDINAHITCRLCSGYLY DATTVTCLHTPCRSCLVYLRNNTCPTCRIVIEQSHPLQYIG HRTIMQDIVYKLVPLQAEAMRQREFYHKLGMVEPGDIKGETC SAQHLDSHRNGETKADSSNKEAABEKPEENDYERSDEQVSI CLECNSSKLEGLKRWTRCSAQATVLHLKKFLAKKLNLSFPNEL DILCNEELIGDHTLFVVVTRNRFEKAPILLHYRPMDDL
6643	3049	2265	FRPLATEPRGSSPVQLVSSMTSVRTLPLFLNLGGMILYILDOR LRAQNIIPGDKARKVLIANDISTMFNRKFMELFKPQELYSKKALR TVYERLAHASIMKLNQASMDKLYDLMTMAFKYQVLLCPKEDVL LVTFNHLDTIEGYIRDSPTILQQVDETLRQLTEIYGGLSAGEFQ LIRQTLIFPDLDHIVSMPLKDKVQNNRFPVLPVSGVPWGT EVPGLIRMPNNKQBEVKRIEFKESGNYVPAPKEGSFEFYGDVRL KLGTNMYSVNQPVETHVSGSSKNLASWTQBSIAPNPLAREELNP LARLMGGMKIKKPSGPEPGFRLNLPPTDREKQALTRPELSY EVINIQATODQQRSEELARIMGEFEITBQFRLSTSKEGDLAMM DEL
6644	1489	290	

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6645	6530	4646	FVEGLAGYVYKAASEGKVLTLAALLNRSSEDIRYLLGYVSQOG GQRSTPLI IAAENGHAKVVRLLLEHYRVQTOQTGTVRFDGYVID GATALWCAAGAGHFEVVKLLVSHGANVHTTVTNSTPLRAACPD GRLDIVKYLVENNANIS IANKYDNTCLMIAAYKGHTDVVRYLLB QRADFNAAHCGATALHFAAERAGHTDIVKELIKWRAAIVVNGHG MTPLKVAABSCADVVKLLLSHADCDREBRIEAEILLGASPAND RENVDI IETVHYLLAMLERPDGDNILEKEVLPPIHAYGNRTE CRNPQELRSIQRDRDALEMEGLIVRERILGADNIDVSEPIIYRG AVYADNMBFQCILKWLHALLRQKGNRNTKDLRPAQVFSQM IHLNETVKAPDIECVLRCSVLEKESMREVENISDADVHNAMDN YECNLYTFLYLVCI STKTCSEKQCKINQIYNLIHLDPETRE GPTLLHLAVNSNTFVDDPHNDVCSFPNALVTKLILDCGAEVNA VDNBNLSALHIIVQYNRPISDFLTLSIIISLVEAGAHDTMTNK QNKTPLOKSTTGVSILLKTKQMKMLKCLAAARAVRANDINQDQ IPRTLEEFVGFH
6646	176	890	PSSRMNHLPEDMENALTGSQSSHASLRNHSINPTOLMARIETSY EGREKKGISDVRRTPCLFVTFDILLFVTLMI IELNVNGGIENYL EKEVMQYDYSSYFDIFLLAVFRFKVLILAYAVCRLEHWWAIAL TTAVTSAPLLAKVILSKLFSQAGFYVLPILSFLAWIETWFLD FKVLPQBAKRENRLIIVQDASERAALI PGGLSDGQFYSPPESHA GSEEAEEKQDSKPLLEL
6647	176	890	PSSRMNHLPEDMENALTGSQSSHASLRNHSINPTOLMARIETSY EGREKKGISDVRRTPCLFVTFDILLFVTLMI IELNVNGGIENYL EKEVMQYDYSSYFDIFLLAVFRFKVLILAYAVCRLEHWWAIAL TTAVTSAPLLAKVILSKLFSQAGFYVLPILSFLAWIETWFLD FKVLPQBAKRENRLIIVQDASERAALI PGGLSDGQFYSPPESHA GSEEAEEKQDSKPLLEL
6648	413	897	RNCWNCPTKVPNSPPEDIDHKOSYLITRSIMARPDYIEDDNPEL IRPQKILNPVETSRNHQDLHRELLMNQKRGAPONKPELQKVMR KRRDQVIRQKEEAQKKKSDLEIELLWROQKLEQLELEKQKLO EEQENAPEFVKVGNLRRTQGEVQAQES
6649	1357	832	WIPRAAGIRHEVKMDVKETMSQHNIVDALLKPEQFNRRLENEV SEKVRILPLVSNILWEHCIRLANRTIVEGYANVKCCSNEGRAIM QLDPOQPLMKLEKLTDIRPTDKRFVETIYKAYYLTENDMERWI KEHREYSTKQLTNLVNVCLSHINKKARQKLLAIDDIRPKR
6650	32	765	LVPLVFSLLVQSCQVYRS IANKFVPCLLVTLSCIGTLGQAPR QKQSGTGEBPHPTGGRDSCIMRPSISLQGAGBVWLRVDCRNTD QTYWCEYRGQPSMCAFAADPKSYWNOALQELRLHHAQAGAPV LRPSVCRAGPOAHMQVTSLSKGSPEFVQPEAGTSLRPEAT VKLTZATQLGKDSMEELGKAKPTTRPTAKPTQPGPREGNEBAK KRAWEHCNKPQALCAFLISFFRG
6651	3425	1353	AKELLKVDPSLCAGFYQNTADTNENLSKREPLASFVSESFDISA CGIATERVKIDNSGEGLTARAGSETLSRDGEVGVNSDMHYELSG DSDDLILGDCRNPRLDLEDSTYLLGSIYTRKQDVPTDGYRSSINF HNNQEDWGCSSWVPGMETSLPPGHWTAAVKREKCVPTVQIR DLRGILATYANFSITKELKDTMRTSHGLRRHPSFSANOGLPSSW TSTWQVADDLTONTLDLEYLRFAHKLKQTINGDSQHSASSANV FPRESPTQISIGAFPTKISEAPPLHAPRSRSPLLVTVVESDP RPQOQPRRGYTASSLDSSSWRERCSHNRDLNSQRNHTVS FHL NKLKYNSTVKESRNDISLILNETAEPNKVMNSNQFIQDKELN DVSGEATAQEMYLFPGRSASYEDIIIDVCTNLHVKLRSVVKEA CKSTFLYLVETEDKSEFFVTKNLLRGGHT2IRPQHFCQAPHR ENDTLII IIRNKDISSHLQIPSLLLKLFHFSVIPAGVDS PGDV LDHTYQELFRAGGFVISDDKILRAVTLVQLKII IKILEKLANGN RWKWLHYRENKKLKRDENVDSAHKKNIMLKSQPSANTI IELH YHQDSRSSTWASILKCLINLQIQHIDARFAVLLTDKPTIPREV

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6652	2	1343	<p> FENNGILVTDVNNFIRNIRKLAAPPSSYN IFGSTTSCSCHRRRLRGSSPAPRLSLGAASPRPRPPLPLPLPL PPLPLPLTPAERAWTSRRRASENVGKMEVPRRLHALNSPTSPC REVIKNLSLEAIQLCDRDGKNSQDSGIAEMELFVPHNIRKISNI TCDSPKISHWMDSKSKDRITHYFDLNRKKNHNSNKP KHKDVPT ELVAKAVPLPMTVRGHWFLSPRTTYTAVQTASKQVDGQVVSSE WSEIIEPCTADYSKVHLTQLLEKAEVIAGRMKPSVPTRNQKKE YFDYVREHGNMAMQPSVKNSGSHGSPISGLKGIFFSCSTEFN TGRPPQDSPYGRYRFRFAAEKLPMPNTNLYFGDFFCMYTAHYV ILVIAVVGSPGDEPCKQRLPQLESKDNKPLTCTEEDGVLYVHEA QDVILEVITYTDPVDLSLGTVAITGHQLMSLSTANAKKDPSCRT CNISVGR </p>
6653	170	1910	<p> PFLEPRLEPFPASRARVPARTPSPILHPCPCPEGGCSMLSPQ RVAAAASRGADDAMESKPGFVQVVLVQRDQHSFELDKALASI LLDHDIRDLVVVVVAGAFREGKSPILDFMLRYLYSQKESGHS ENLGDPREPLTGPSSWRGSSDPETIGIQIWEVPTVERKPGKVA VWLMDTQGAFDQSSTVKDCATIPALSTMTSSVQIYNLSQNIQED DLQQLQLFTETGRLANDEIFQKXPOTLMLPLVRDWSFPYBYSYGL QCGMAPLDKRLQVKEHQHRIQVFNHHSKCPSDVTCFLPHPG LQVATSPDPDGKLDLAGEFKELQALIPYVLNPSKLMKEKING SKVTCRGLLEYTKAYIKIYQGEULPHPKSMLOATABAYNLAAAA SAKDIYNNMHEVCGGKPYLSPILEKKHCPEKQLALDHPKKT KMGKKDPSFRYQQLKEEKIKELYENFCKENGSKNVSTFRTPA VLTGTIVALYIASLTGFIGLEVVAQLEFNCNVGLLLIALLTWGY IRYSGQYRELGAIDFGAAYVLEQASSHIGNSTQATVRDAVGR PSMKKKQ </p>
6654	1	705	<p> RTSLSPSQCSSFNLAMASAGMQLGVVLTLLGWVNLVSCALPM WKVTAFIGNSIIVAQVWVEGLWMSCVVQSTGQMCKVYDSLLAL PQDLQAARALCVIALVALFGLLVYLAGARCTTCVEEKDSKARL VLTSGIVFVISGVLTLPVCHTAHAVIRDFYNPLVBAQKREL ASLYLGWAASGLLLGGGLLCTCPSGGSQOPSHYMARYSTSAP AISEGSPSHYPTKIVY </p>
6655	341	16	<p> KDAYMFKGGLLALALVPSLPVFAAEHNIDVRVPEQYQOEHVQGA INIPLKEVKERIATAVPDNDTVKVCNAGRQSGQAKELISEMG YTHVENAGGLEIDAMPKVKG </p>
6656	2	1212	<p> TELPFRANLATQPLSPLEALAPLPRKPGAVPPQKRMKAVAK DLNPGVKMSLQQLQSARGVACLCKGTCGFPFPHSWRKICKSC KCSQEDHCLTSDLEDDRKIGRLMDSKYSTLTARVKGSGGIRIY KENEMIMTNPLATGKDPFTDTTYEWAAPGVTTQKLGLQYMLIP KXKQPVITGEGAPYRRRLMRQLPIYDQDPSCRGLENNELKLM EEFVQYKSEALGVGEVALPGQGLPKKEERQOEKPEGASTTAA TTNGSLSDPSKEVEYVCELCKGAPDPSVYSDRAGYNEQWHP TCFVCAKCSBPLVDLIYFWKDGAPWCGRHYCESLRPRCSGDEI IFADTYQRVEDLAWHRKHFVCEGCEQLLSGRAYIVTKGQLLCPT CSRSKRS </p>
6657	830	2120	<p> LITQKRAGDCLLSASTMKFVVVWSPKKVADWLEENAMPBYCEP LEHFTGGDLINLTQEDFKKPLCKRVSSDNGQRLDMLLETLMJHE HLBHKKHGHANGHLNIGVDIPTPDGSPS IKI KPMGMPNGYRKEM IKIPMPBLERSQYPMENGRTFLAEFLYALSFCVLTTVMSVHER VPPKEVQPLPDTFFDHFNRVQWAFSICRNGMILVGLNLIQWL LLKYKSIISRRFPCTVGTLYLYRCITMYVTTLFVPGMHFNCSPK LFGDWEAQLRRIMKLIAGGLSITGSHNMCELYLSGHTVMLTL TYLPIKYSPPRLNWNHWCNLLSVVGIPCLLAHDHYTVDDVV AYYITTLFWNYHTMANQQVLKBSQMEILLARVWVYRPPQYFEK NVQGIVPBSYHWPFPWVHLRSQVKYSLVNDT </p>
6658	35	855	<p> HCCALGAPGSPYRGLYFSSAAPCTAPRKAKHQSTLEGLTKRMLM </p>

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			FDPVPVKEQAMDPVSVSYPSNYMESMKPNKYGVISTPLPKFP QTPEGLSHGIQMBTPVDLTVNRSSPPSAGNSPSSLKFPSSHERA SPGLSMPSSSPPIKKYSPSPGVQPGVPLSMPPVMAAALSREH IRSFGLPVIQPVVQVPPVPMYTSHLQQPLMVSLSEEMENSSSS MQVPVIESYEKPI SQKIKIEPGIBPQRTDYYPEKMSPPFLMSV SPPQALLQE
6659	18	523	EPQRGDCBTWQNCSELPRFVCFPCWGFPLWRAHSMSTHSLFGL RGLTISRNQLQCTNAMKVTNNYQRRWKNQNTFLATFANVVW OGNPTITCPHNETLENCHSGVQVPLMYCNLTTPSPQNISCRY AQTFAHMYTIVACINRDQRDPQCPVVPVFLHTII
6660	514	1707	CAASLDCRNHLCRPMKLVWPSAKLLQAAGASARACDSVTSNV LPLLEQFPHKSQSSQRTILEMLLGLKQKNSYBDKQRP L NGPKDQLCSLVFMAITDPSTQLQLVGIRTLTVLGAQPDLLSYBD LELAVGHLYRLSPLEKDSQSCVAALEASGTLAALYPVAFSSHL VPKLARELVGESNLITGDEPTQCSRHLCCQLASAVSTHPSIV KETLPLLLQHLNQVNRGNMVAQSSDVIACQSLRPMARKCQDDP RSCNYPHQTAIPCLLALAVQASMPKEKPSVLRKVLLEDEVLAAM VSVIGTATTHLSPLAAQSVTHIVPLFDGHSVFLPENSFPSPRF QPFQDGSQQRLLTALLMAFVCSLDRNVSEHINEVLLFNLDVET DG
6661	179	430	GVHAASGTLSATWLARAKMFDLSARAGKYLQAAKIMIGMPDYD NYVEHMRVNHDPQTPMTYEEFFRERQDARTGGKGGARCC
6662	185	423	RSLPKPAPAPQASIHCAFPSCGVTPPTAKTAMSDGNTAFNALMYC GPKADDGNIFSAAPASSAVKASVSVAQPGQAVTP
6663	3	1005	RPVLSSRVDDFVPPPLPETSGRERKRLRMYSVDRVSDDIPIRTWP PKENLFSPTASTTMAQISNFRKHLRMVSGRRVKAQTFARERER SPSRSNSDPTPMKADTSHDSRDSDLQSSHCTLDEAFEDLDNDT EKGLEAVACDTBGFVPPKVMILISSKVPKASTIPTIIRRDPSII PLYDHEHATTFEDILEEIERKRLNVYHKAIKWMLIFCQGGPGH LYLLKNRVATFAKVEKEDMHPKRLSRIMASVNPFPNVTHDM GCYILGNFNGKLLPONLRTLTMTPTVTVTRSPLELSAQGEQMIET YFDFRLYRLWKSQRKSKLLDFDDVL
6664	58	969	PRLLRLPRSVVVMDSFWDLALAFRTSMFPFFDIAHYLVSVMA VERQPGAAALAWKNPISSWPTAMLHCFGGGILSCLLAEPLKFL ANHTNILLASSIWIYITFPFHDLVSGSYLFPVQLLASGMKRV TRTWKIVGGVTHANSYKNGWIVMLAIGWARGAGGTIITNPERL VKGDWKPGEDENLKMSYPAKVTLGSGVIFTEQHTQLAISKBNL MFLYTFIVATKITMTTQTSNTTFAPFEDTLSMMLFGWQQPFS SCREKSEAKSPSNGVGSLSASKFVDVADNVKKHTKKNB
6665	171	1278	DERRLACRQVVVTQQRSELYPGFQKQRFLEKAGEAAAGQGRHL PGRNLGPGCTQNPCSVHTATGPEPRKLEPLFPDPSPSGYPKRPA ALCPGIPSPCMTSDLSITAKLINGGVAGLVGVTCVFPIDLAR TRLQNHGKAMYKGMIDCLMKTARAEGFPGMYRGAANLTLVTP EKAILELANDFFRLIMEDGMQRNLKMEMLAGCCAGMCQVVVTC PMEHLKIQLDAGRLAVHQQSASAPSTSRSTTGSASTHRRPS ATLLAWELLRTQGLAGLYRGIGATLLRDTPFSIIYFPLFANLAN LCPNELAGKASFAHSFVSGCVAGSIAAVAVTFLDVLKTRIQTLK RGLGEDMYSGITDCAR
6666	498	2868	MTTFLPVEQMMAGFSFGTFGNPPMESPSAMQTIHQPFIVSCLTL NSFGCNPOPIQREGVGLWDIRKPOSSILLRYGGNLSQSAMSVRP NSNGTQLLALARRLPVLYDIHSRLPVFQFDNQVYFNSCTMKSC CFAGDRDQVILSGSDDFNLYWRI PADPEAGGIGRVVNGAPMVL KGHRSIVNQVRFPHFTYMICSSGVEKIKINSPTKQPGCTGDLD GRIEDDSRCLYTHEEYISLVINSGLSHDYANQSVQEDPRMA PFDSLVRREIBGWSDDSDSLSBSTILQLHAGVSRSGYDSES SASLPRSPPTVDESADNAFLHGLRLVTTTNTVASTPPTPTCED

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			AASRQRLSALRRYQDKRLALSNESDSSENVCEVLDLDFPR PESPSPEDESSSSSSSSSSEDRERLANERRASTWQERNAMRRQKT TREDEPSAPIKPTNTTIGEDNTDTPQIKVDLSSSPTSSPERST STLEIQPSRASPTSDIESVERKIKYKAYKMLRYSILSYSHKDG TSLVTGEADEGRAGTSHKONPAPSSSKEACLNIMAAQHRQDLPP EGCSKDTFKETPKTPSNGPGHEHSHAMAEVPRGTSDTGNSSG SVREHPTSTKILNGKALSSRAEPPSPVPVPSQSTLNSGSGNCP RTQSDDESEBSLETICAHNNGRLHPRPPHENGQNLGLELVV AYSSPGHSPTDRNSSLTGTLLKEDCCGSEMACETENAGTRKOP TDTPATDSSRAVHGSGKLRQRIELSDTSESSSKKILKT
6667	171	1310	AKEVERLAAMESDGLVPGTHPTPIRRRSKFNILGRIFKPKWNRK KKEKPKHTSAALERKISMROSREELKRGVLKEIYDEDELISI SNEEDSLHNGQSLSSSGLSLPALSEMHPVMPRDPSCSYEVLOPS DINDGPDGAPVVKLPCLPVKLSPLPPKRVNICMPVGGFDLSLV SYTAQKGGQQAQHHHTVLPSPQIQHQLQVSHGQHLPTTGS PMHPSCCHMIDELANKLTAMTQRLSSBQVPCSTSYHSSGLHS GDGVTKAGFMGLPEIRQVPTVVIECDNKENVPHESDYEDSSCL YTREREREREDDDSSLYTSSLAMKVCRLDGLAIKPSHPSKR ELKEENILPROTDRELELRQOIGTKL
6668	714	358	TLAVATGPALTRCHVCTSSNCKHSVVCPASSRFCKTNTYVPR LRGNLVKEDCAESCTPPTTLQGGVSSGTSSTQCCQEDLCNEKIH NAAPTRTALAREALSGLALSLILAVILAPSL
6669	459	1207	KDEBTRKDYDYMIDHPREYXSHYHYYSRRLAPKVDVRVVLVS VCAISVPQFFSMWNSYNKALISLATVPKRIQATEIAKQGLLK KAKKGGKSKSKERIRDEENILKNIKSKIDIKGGYQKQICD LLLPQIILAPFHLCSYIVWYCRWYNFNKSKYGERERYIIR KSNKMSKSQVDSLKDEQKETFLKRLWIKENYEVYKQGEERLK KILANDPRNKRYRWMMNEGPGRLTFVDD
6670	184	594	VARI*GEAAKMSSEPPPPYPGQPTAPILREKSGAPPTGRSSPA VMQPPPGMPLPADIGPPPYEPGHPMPQPGFIPPHMSADGTYM PPGFYPPPGPHPMGYTPPGPYTFPGTPGGHTATVLPVSGAA TTVTV
6671	1	763	LPAEKPRSAFPMAGGRCGPQLTALLAANLAAVANTAGPERRAALP PEQSRVQPMTASNWTLVMEGEMLEKPYAPWCPSCQQTDEWEAF AKNGEILQISVGVVDVIOBPLSGRPFVTTLPAPFHAADGIPRR YRGPGIFEDLQNTILKKKQSVBPLTGWRSPASLTMSGMAGLFS ISGKIMHLENYFTVTLGIPANCYVVFVIATLVFGLSMDLVL*V ISQCNWDPFYRHVS*/RPSTHLGVHTAHTSEHLRL
6672	304	1089	APGSKPVQFMDFEGKTSFGMSVFNLSNAINSGSGLGLAYAPHT GVIFFLALLLCTALLSSYSIHLILLTCAGIAGIRAYEQLCORAFG PAGKVVVATVICLENVCAMSSYLTIKSELPLVIGTFLVMDPEG DWFLRGNLLIITVSVLIILPLALMKHLOLYTTSGLSLTCLMFP LVSVIYEKPOLGLCYRATMRQWSEBALVGTPOFEDSTAADVIAQ NPHS*LTQVLTQNPIMAFVAVCHPGGAGPSITILCRAFOAD
6673	1116	1963	LQIQTHHTRHGRVTHLGHQLLANAGTMLCRQSSSMAPAFSQ SVTCGSPCVKQESATKCLHIGACGSDLWARGNEQC*G*GLNV WLCPCVAFHGRARQARECGARNNSLVSPWIPFNP*HSSIGAE NAVPRP*QG*KVNPSCQERQS\WVLPPLVPGEPKLPGLPG*NK SFSRV/SQSGKMLLPROLM*AS*R\TPRFVPGTQWVPIW/PL ITWH*SAPTPPLKACPAPRESDPCCSSCLSCPCVTQEPFSDTGM FGAGHCHSSCDPTRKGAAGGPG
6674	1	440	LEPYDMQDYDYVEVHDGDNRDGQIYKRVCGNERPAPIQSIGSSL HVLPHSDGSKNPDGPHATYREITACSSSPCHDTCVLDKAGSY KACLAGYTGRCENLLEERNCSDPG/WPSQVVPENNRGPWAYO PTPC*IGTRVAPFLT

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6675	277	1678	GNWPTERMAFLDNPTIILAHIRQSHVTSDDTGMCEMVLIDHDVD LEKIHPPSPMPDGSSEIQQSNGSTQGYVYAQSVDTSSWDPGIR RRSNTAQRRLRLRKRQWQIKCKNIQWKERNKQSAQRLKSLFE KSLKKEKPPISGKQSILSVRLBQCPLQIANPPEYSEKPDGKGV GTTATKKIDVYLPILHSSQDRLLPMTVVMASARVQDLIGLICWQ YTSEGREPKLNDVSAYCLHIAEDDGEVDIDFPPLDSNEPIHKP GFSTLALVEKYSSPGLTSKESLPVRINAAGPSLIQVQNTKVTM KRILLKAVRRKRSQKVSGRADGVFEEDSQIDLATVQDMLSSH HYESFKVSMIHRLFTTDVQL/GCALFPGLVKRAAPVDCLRPS ADTWROBQIGCGAACAAALRS*DSHKC*EGISGDKVIEDPVTNQ KASTKFWIKQKPIISIDSLLCAC\DLARB
6676	277	1678	GNWPTERMAFLDNPTIILAHIRQSHVTSDDTGMCEMVLIDHDVD LEKIHPPSPMPDGSSEIQQSNGSTQGYVYAQSVDTSSWDPGIR RRSNTAQRRLRLRKRQWQIKCKNIQWKERNKQSAQRLKSLFE KSLKKEKPPISGKQSILSVRLBQCPLQIANPPEYSEKPDGKGV GTTATKKIDVYLPILHSSQDRLLPMTVVMASARVQDLIGLICWQ YTSEGREPKLNDVSAYCLHIAEDDGEVDIDFPPLDSNEPIHKP GFSTLALVEKYSSPGLTSKESLPVRINAAGPSLIQVQNTKVTM KRILLKAVRRKRSQKVSGRADGVFEEDSQIDLATVQDMLSSH HYESFKVSMIHRLFTTDVQL/GCALFPGLVKRAAPVDCLRPS ADTWROBQIGCGAACAAALRS*DSHKC*EGISGDKVIEDPVTNQ KASTKFWIKQKPIISIDSLLCAC\DLARB
6677	277	1678	GNWPTERMAFLDNPTIILAHIRQSHVTSDDTGMCEMVLIDHDVD LEKIHPPSPMPDGSSEIQQSNGSTQGYVYAQSVDTSSWDPGIR RRSNTAQRRLRLRKRQWQIKCKNIQWKERNKQSAQRLKSLFE KSLKKEKPPISGKQSILSVRLBQCPLQIANPPEYSEKPDGKGV GTTATKKIDVYLPILHSSQDRLLPMTVVMASARVQDLIGLICWQ YTSEGREPKLNDVSAYCLHIAEDDGEVDIDFPPLDSNEPIHKP GFSTLALVEKYSSPGLTSKESLPVRINAAGPSLIQVQNTKVTM KRILLKAVRRKRSQKVSGRADGVFEEDSQIDLATVQDMLSSH HYESFKVSMIHRLFTTDVQL/GCALFPGLVKRAAPVDCLRPS ADTWROBQIGCGAACAAALRS*DSHKC*EGISGDKVIEDPVTNQ KASTKFWIKQKPIISIDSLLCAC\DLARB
6678	221	865	GFENQSSGSLSLIVTGCSSYWS*INDTCTILEVLSSNEGRQ*LR PPPCSQLPMSQGLWHLDDCCPNVFTIPGQWRKGRQRMEN*QS LIGSDQBSVGLRDLGVFNFLLEVLGLFP*PRELFLFPVVDLG FLFPILLQGGCHCLVLPANLVSAQAPIGKLSCLQTHDEGSRN HEFLPLVVRHDAVKHLETUQSLASLGFPVQORTSHGPP
6679	2	786	LEFARGAMPFLGQDWRSPGQNNVKTVDGWRFLDEKSGSFVSDI SSYCNKEVYNKENLNSLYD/SCSQERKEGHAB*QONQS\DPH QERWYVHEGSTKRRGYCTLGEAPRLDFTAILDSRRFNTVV RLLELIAKSQLTSLSGIAQKNFMHILBKVVLKVLDDQONTILIR ELLQTLTSLCTLVVRVQKSVLVGNINMVMYRMTILHWQQQLN NIQITRVSGQAQPPPGSGLHRTDGTQTRQDFEPTPVTEBSGLF
6680	1498	2951	PLCTLPLMPSALPGWAGERWEKQWPLA/PGPCTWQTPVGSISSE P\RKNEPDTHCPGEARPEV*HLKPKHSPGSEGAIRQISA*ALP /NQVSPQPM*GAENGDDQGGKERAGEELHRSSSGLTAAPGF? EVHRNLQTFPLPSRGGGP/GGAGTQGSWAPGEQPP/SELLPAS MORSQAGLPGWEAGLVESPTHHIPALRPSGINATGEAPPSTCS SGP/PAPPPTGLRPGCGSSSGHG**PGLEVGKV/GALGAAQD PQSQGRGPTQOTVGTMLLSGLGSAKACPAARPAV*LPSPDPA TIPKRGTRGPGGPGVLQERNRVVGRACFTSADAAGTAPPOV *LPAPLSQPPGATEPQVRACGMAPPSPGTSGLVANGRHGPOV AQGCPPGAGCWCSPRGSQRCPTTYTHSPLHGGRAPCPRCNH* WQDPSPSPRTCLPGIPARQAYSAPRTSRPGIRTCRAAYGPILR PQGGGGC

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6681	1169	511	INVIYVQQQRAPEHLK\KRLMSAPALGLPDLTKLFTLHVSERE EMTVGVLTQTGVGFWSPGAYLSKOLDGVSEGNPPCPRALAATL LAQEADELTLRQHLEKSPHA\VVTLINTEGHE*LINARLTRYQ TLLCENPHKTEIVSNT\INPATILLVTSFVKHNCLEVLDSVYS SRPHLRDHP*TSVDWELVVDGSGFANPCRVTLERKETSAPVTPR S
6682	109	1238	TVLCGAMQVSSSINEVKIYISLSCGKSLPEWLSDRKRALQKRDVD VRRRIELIQDFEMPTVCTTLEKVEDGQYLLATGYKPRVRCYDT YQLSLKFERCLDSEVVTFFELSDYSKI VPLENDRYIEPHSQSG PYTKTRIPKPGRDPFHYHPCDLYFVGASSEVYRLNLEQGRYLN PLQTDAAENNVCDINSVHGLFATGTIEGRVBCWDPRTRNRVGLL D\AP*TVSQIQOR*TSLPTLSALKFN\GALTHAVGTTGQVILLY DLRSDKPLLKDHQYGLPIKSVHPQDSLLOLILSADSRIVKMMNK NSGKIPTSLEPHDLNDVCLYPNSGMILLTANETPKMGIIYIIPVL GPAPRWCSFLDNLTEKLEENPESNE
6683	109	1238	TVLCGAMQVSSSINEVKIYISLSCGKSLPEWLSDRKRALQKRDVD VRRRIELIQDFEMPTVCTTLEKVEDGQYLLATGYKPRVRCYDT YQLSLKFERCLDSEVVTFFELSDYSKI VPLENDRYIEPHSQSG PYTKTRIPKPGRDPFHYHPCDLYFVGASSEVYRLNLEQGRYLN PLQTDAAENNVCDINSVHGLFATGTIEGRVBCWDPRTRNRVGLL D\AP*TVSQIQOR*TSLPTLSALKFN\GALTHAVGTTGQVILLY DLRSDKPLLKDHQYGLPIKSVHPQDSLLOLILSADSRIVKMMNK NSGKIPTSLEPHDLNDVCLYPNSGMILLTANETPKMGIIYIIPVL GPAPRWCSFLDNLTEKLEENPESNE
6684	111	527	GLECGTSNGRAGREDFVAAGVLGVAGFCQSPCPGGRERBAPA PP\SGRRHA*RPA*WLGCGGDSGGRBEGGS/OKLRAMESKMO KLPLDINIQEPBNDQSTFLGRARHPTVTDPRNLLSGAQLEAS RNTVQNYR
6685	258	1473	KLLGDNFBGFCNKPELSDSENGSNS*QSPL\FDLFDPDPQKVL QGVIDMKNVIGNNKQKXANLIVLGAFFLLYLLOQETSSTELKT ECVAVLQSLANGTENNVKSLLDCHIIPALLQGLLSPOLKFIKAC LRLCLRTIFTSPTVTPERLLYTDATVIPIHALLSRRYTQBYICQ IFSHCCQGFHDQTLLEPHGAVQNIHLLTSLSYKVMQALCKPS VLAPENPOVEMTLVHVLVDGELLFQIPVHMLQDRKPIEMQLTSA KCLTYMCRAGAIRTDNRCIVLKLPLCLVRMCSKRELLKEEVEGA ETLAYLIEPDVELQRIASITDHLIAMLADYFKYPPSSVSATDIX RLDHDLAGHAEHLQAAFKLYASLGANDEDIRKRVSLGGRPPVL TASRQGVIST
6686	310	927	DSVTDDLAVDFTPKENTLDDPTORNLRYDVMLENYKNLATVGY OLPKPSLISWLEQDESETVQRGDFQASENKVLEKTELALQODV IGREPTSSGQIQMGSHNGGEVSDVRQODVSSEHSCLKTHVRTQN SENTFCYLYGVDFLTLEKKTSTGEQSVFHVWKKPSSINPDV VCOBNCITRKKAP*LQITLKGSPH*SIHT
6687	181	915	EAMLEAPYKKEDEQQRKEVKKDYPSNTTSTNSGMBTSGSST IGETSNRSDRDYRBRNSRSRSPGRQCRHRSRSDRRHSESER SRDHRREDRVHYRSPLATGEFVDNLSPEERDARTVPCMLAAR IRPRDLDFPSAVGKVRDVIISDRNSRRSGIAYVEPCBIQSV PLAIGLTGORLLGVPIIVQASQAEKNRLAAMANNLQKNGGPMR LYVQSLHFNITEDMLRGIPEPPGKV
6688	1025	1	AEVFNYPVPHKCPDSCHRFKQPIQLQPYLLSFSSSEKPPISF SEPGLP/SATARMATAAAPPNSSIDLPSDSGMGPISPAGDSLD LPSDGGTGPPSLAGDSSSTRLSSLAFLSFLSSVSGSGAGTTS STSVGSVVAAPTSSSSSTNEDVAGLDFTVITSVSGSLVPSRE VAVICGSKGAGSGSASCSSRACKTTTATAASMPSTSSPSTC TMSLEZELFSLPSAPILSKLPTSSGSIATCQDQSGPSDGRLS VCQLWLADSDTGKLSQCEVTVVGDGGLTCPELSLGRM*MSLL

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6689	640	1299	SSAVIPGYSSSSDSRLNTVPTVDLLCFQTKSST SSASVATSATSISDTAFSCSLKXHGILLALDSSRTS*STSS AKDSTFICSPSVSDTSSDSSGSKDNVLILFSKVSI*SCFSLSS PPSDSISPCFSSSSPCKR*FVSSKVGQNALLSERLSNGPGGSSK QRNSLTARQLAMSL*ATKP*ENACNPNCLSSKESAL*LSINQRF GGSASRKPNI8PNSQKCSALS YCCNFVIKPREVSVSSENTPAP
6690	1	442	GTRGMAATLGLPGSWOORERCLSRDGSRLALALLIGSGGQCF QQVGAGQTFEYLKREHSLSKPYQGVGTGSSSLWNLGNAMWMTQ YIRLTPMQSEQGALWNRVPCPLRDWELQVHFPIHQGGKKNL\H GDGLAIWYTKDRMQP
6691	287	1401	LKTETSEKKARRYEDRPSQLNAVFOEQKNIQAQSSITLEDVAV DPTWENQLLGAQKDLRYDWMLENYSNLVAVGYQASKPDALFK LQGGELWTIEDGIHSGACSDIWKVDHVLRLQSSLSVRRKPC HHDAPENIVHCSKSKQFLGQNHDI FDLRGKSLKSNLTIVNQSK GYEIKNSVEPTGNGDSPLHANHERLHTAIKFPASQKLSITKSP ISPEHQKTRKLEKHEVCSCKGKAFIKKSLTDEQVMTGKPHR CSLCRFAPSRKFM\TEHQTHTGKPYECFCKGKAF\KESRLNI HQKTHTGKPYICSBCKGKFIQKGLIVHQRIHTGKPYICNEC /RGKFIQKTC\IAHQRFHTER
6692	178	939	WIKGELSLSWRFCANI IKAGPMPKHIAFIMDGNRRYAKKQV RQEGHSQGFNKLAEITLWCLNLGILEVTYVAFS IENFRKRSKSEV DGLMDLARQKPSRIMEEKKLQKHGVCIRVLGDLHLPLDLQEL IAQAVQATKNYKCFINVCFAFYSRHEISNAVREMANGVQGLL DPSDISESLDCKLVTNRSFPHDILRTSGEVLSDPFLWQTSN SCLVFQFVLMPEYTFWNLFEALIQPMNHSVLQK
6693	178	939	WIKGELSLSWRFCANI IKAGPMPKHIAFIMDGNRRYAKKQV RQEGHSQGFNKLAEITLWCLNLGILEVTYVAFS IENFRKRSKSEV DGLMDLARQKPSRIMEEKKLQKHGVCIRVLGDLHLPLDLQEL IAQAVQATKNYKCFINVCFAFYSRHEISNAVREMANGVQGLL DPSDISESLDCKLVTNRSFPHDILRTSGEVLSDPFLWQTSN SCLVFQFVLMPEYTFWNLFEALIQPMNHSVLQK
6694	292	813	SLLHLAPFGAYTSPQPLSSVSTETASSVRRQAARSROHEL PVR EVHSLGQILPDGLTARAGPPEAQDPWGSFGISLPAAHIGFAAA LAVGPSGCHTEP\FDEVWPSLFLGDYAADKSLIQLGITHVV NAAAGKPVVDTGAKFYRGMSLEYGIEADNFFFDLSVYFLP
6695	292	813	SLLHLAPFGAYTSPQPLSSVSTETASSVRRQAARSROHEL PVR EVHSLGQILPDGLTARAGPPEAQDPWGSFGISLPAAHIGFAAA LAVGPSGCHTEP\FDEVWPSLFLGDYAADKSLIQLGITHVV NAAAGKPVVDTGAKFYRGMSLEYGIEADNFFFDLSVYFLP
6696	1	782	PRVRGRVGERMAFLSVPAAMSSMEPIILLANEYFRERKPOLCAD LCTQMLEKSPYDQAAWILKARALTEMVYIDIDVDOEGIAENML DENAIQVFRPGTSLKLPGTNTGSPQAVRPITQAGRPITGFL RPSTQSGRPGTMEQAKTPTATYARPI TSSGGRFVRLGTASML TSPDGPFINLSRLNLTKYSQKPKLAKALIEVIFHHENDVKRTALD LAALSTERSQYKOWNK/DQIERCYRVGMVREARKQIKSS
6697	3	782	PPLPLRLNLSALRPGSRKVMVVFASLSGQDVGSFAYLTIKDR IPQILTKVIDTLRRHNSKFFPKHGRBGRVARKKAI SLSKLRNE LQTDKPFIP\LVKFFVDIDINQYLYEQQSILNESDGKSRWFYSP WLLV\ECTMYRRIHEAI\IQSPPIIDYFDVPKESKEQNFYGSQES IALCTHLQQLRTIEDLD\ENQLKDEPFKLLQISLWGISVDL SL\SGGESSQNTNVLNLSLEDLKPFILNDRMLHLSLSNCK
6698	668	754	VGSCACAGSCCKCKCTCKSCCKSCRAFP
6699	325	492	EGRLP/PARRVLPRAMTASAPRGRPGVGVGVVVTSCKHPRCV LLGKRKGSVGVGSPQLPGHLEFGETWEECAQRETWKAALHLK BVHFASVVNSPIKENVHYVTILMRGEVDVHDSRPNVPEKKN

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6700	1098	1392	ESKRITTYNBAFFPQESKNSSGGILQ TQCHRSSTPGMRTHFTPTOP/RLECGQGFSSQQRNGHMDTNECTO FPFVCPDRKPCVNTYGSYRCRTNKKCSRGYEPNEDGTACVERT LLGLCNLLGK
6701	2	1485	AAAGPRTVRRAAAPEGQPSPPSGLOPTSDKAAAPRTPKRRRLW RQRQ/HPAHLCTVTRPDVILMEVEBAKANGEDCLNQVCRRLGI IEVDYFGLQFTGSGESLNLHLNRI SQOMDGLAFYRLKLEVKF FVEPHLILQEQTRHILFLHIEKALLAGHLICSPQAVEL SALLA QTRFGDYNTAKYNYEELCAKELSSATINSIVAKHKELEGT SQ ASAFYQVLQIVSAMENVGIEWHSVRDSEGCQLLIGVGPESISIC KDDFSPINRIATPVVQMATQSGKNVYLTVTRESGNSIVLLFKMI STRAASGLYRAITETHAFTRCOTVTSAVMMQVSRDLKHLASLF LNENINLGKQVFPDLKRTSEKVVYDHARRALYNAGVVDLVSRNNQ SPSHSPKSSSESSMNCSSCBGLSCQQTIVLQEKRLKRLKRAMLCM VOCEREINSTPCGRTVCCESCAOQLQVGEAAHFCLQPHLSL LLTGSRSQVLAR
6702	397	1971	PLAKFLKLDLVNVLCLPMEDVFLFYETCFCSNGLGSSCHLSLPK RABALLCSRKATVVVDLVAVRMAEQEPTQLCKLPAQPSHPHCV NNTYRSQAQSOALLRGLALRDSGLFDVVLVVEGHEHRAHRIIL LAASCDYFKGMFAGGLKEMBQSEVLTHGVSYNAMQILHPIYTS ELELSLSNVQETLVAACQLQIPRIIHFCCDFMSWVDEENTLNV YRLAELPULSRLTEQLDTTILNFPVAFSRTDKYRQLPLEKVYSL LSSNRLVESCETEVEGALLTHYSLEQVQADQISLHPPKLEET VRPPLMAEVLQRLHDKLPSPRLDTVASALMYHRNESLQPSLQ SPOTELRSDFCVVGFGGIHSTPS\MSSATRPKYNPLLGWKKH FTASLAPRMSNGIAVLNPNVYLLIGSDNNVQGFRAESRCWRYDP RHNRRWFQIQSLQOEHADLSVCVVGRIYAVAGR DYHNDLNAVER YDPATNSWAVAPLKREYVABAGATLEGKMYITCGRRGRIT
6703	45	1244	GVGPRAAAMPLELRLCPGRMVGGQHPCFILABIGQNHQGDLDVA KRMIRMAKECGADCAKFOSELEPKFNKALERPYSKHSWGT YGEHKKHLEFSDQYRELQRTAEVGIIPFTASGNDMAVRFLHE LNVPPFFKVGSGDTNMPYLLKTKAK/TRGNHSLVLRDVCVQLNDE TSSNDVLGRVRTSEKVLMLVLVDYSGRPMVLSSGNSQSMDTMQ VYQIVKPLNPNFCPLQCTSAIPLQPEDVLRVISEYQKLPDIP IGYSGHETGLALSVAAVAIGAKVLERHITLDKTNKSGSDHSASLE PGLAELVRSVRLVERALGSPFKQLLPCEMACNEKLGKSVVAKV KIPEGTILTMDLTVKVGEPGYPPEDIPNLVGGKVLVTVEBDD TIMRE
6704	82	1007	TMNTRNVVNSGLGASPASRPTRDPODFSGRQGLSPVEDQREG LEAAPKGPSRESVVBAGQRRTSAYTLIAPNINRRNBIQRIABQB LANLEKWKBNRAKPVHLVPRRLGSSQSETEVRDQQLQLMQSK YKQLERRESVRIKEBAEALQOMKAIQREKSNKLEKRLQEB HLRREAPREHQYKTAEP/LQTEHRIARQKCLSKCCLMPTTIAN NQQLGLQ\DSLKAEENRKLQKMKDEQHQSLELELKRQOQBQ RAKIHQTEHRRVNNAPLDRLQKKSQPGGLEQSGGCNNNSGNSW GI
6705	2	786	RLCRNSARVPCGWSASRSLGEGAGFTIGFLGPHPRAGGTGTSPT SYKRGKGINSTLAAPYCGKSLITVATGFLGKELMEKLPRTSPD LEVITYLLVRPKAGQTLQHRVQIILDSKLFKKVIEVRPNVHEKIR AIYADLNQNDFAISKEDMQELLSCTNIIFHCAATVRPDDTLRHA VQLNVTATROLIMASQMPKLEAFIHTSTAYSNCNLKHIDEVTY PCPVEPKKIIDSLEW\LDALIDEITPKLIRDWPNITYTK
6706	130	531	PTHSSSSSQEMLKLNMLRNDGHPCDITIRVQDKIPRAKRVVL AACSDFFPRTKLVGQARDENKNVLDLHVTVTGPIPLLEAYATAT LSINTENIIDLAAASYMQMPSVASTCSEPHSSILMNTFNSQP EK

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6707	2233	1343	YWSOIGYKIQHPFWREPFPEKROPSTQERLYESRSEWPCIS* GTVVVGWTAVNGSW*GGQLRCVCVCTSHSSDSTRSSQBAKCHS FFILSQ*KT*SSWENWVFARYSRIYSGHSCSKGRGD*DPK*HV SQAR*SRFCGLCPGCHGGLDINLEGGSSPMTDKHSCVENNLLC HRRVPSLLCEGPGHCYQGAVCHCAAAASPLDSSAEPHRLCRH TD*LPK*GGTYQHCHCDNMLCILYNLSFNLFSYSF*GVARYA C*ECHWYFENLLYNHCGDILVACL*RRQL*SSQ
6708	115	1729	TVGSNSRSGRSPVGRQLLLTGGAQAQAGSPQGGMALQVELVPT GEILRVVHPERPCRLALGSDGVVVTMESALTARDVGVQDFVLL ENFTSEAPYENLRREFRENLIYTYIGFVLVSNVPRDIQIYSR QHMYRGVSPYEEPHLLAVADTVYRALYTERDQAVMISVES GAGKIDATKRLQLYAETCPAPQGGAVRDLLQSNPVLRAFGN AKTLRNDNSRFGKVMQVDFPGAPVGGHILSYLLESRVWHQ KHGERNFHIFYQLLECGCEETLRLGLERNPQSYLYLVGQCCK VSSINDKSDKVVVKALTVIDFTEDVEILLIAASVLHGNH FAAKESNAQVITENQLKYLLELLSVEGSLRBALEHCKI LAKG RELLSPINLEQAAYARDALAKAVISRTVTHLVGKINSLASKOV ESPNSRSTTVLGLLDIYGFVFPQHSPEQFCINYNCKLQQLFI BLTLESEQEHYABGIAWEPVQYFNKLIICOLVERKFGKII\SI LDE\ECLEPCE
6709	3	894	PPHHHLFPSSGERGPPFLVRRRLGSPGKMGKKGKKGKRGAEK TAAKMEKKVSRKSRKEEDLEALIANPQTLDKRTQTVELPCPP PSPRLNASLSVHPKDELILFGGEYFNGKTFLYNELVYVNIK DTWTKVDI P S P P P R C A H Q A V V V P G G G Q L W V F G G E F A S P N G E Q FYHYKDLWVLHLATKIVEQVKS TGGPSCRSCHRMVAMKRLILF GGPRESTRDIYNDVYAFNLDITNSKLSPSGTGTPRSGCQ\I P S L P R A A S S V Y G G Y S K Q R V K K D V D K G T R E S D M P
6710	158	980	RHEMTNRYRVESSSRAARLALMGPAFTAAIGYIDFGNFATN IQAGASPGYQLMVVVWAMLMNLIQLLSAKLOLATGENLABQI EDHYPRPVVWFYVWQABIAMATDLAPFGAIGFKLILGVSL QGAULTGIATPLILMLQREGQKFLKVVIGGLLPVAAAYIVELI FSQFNLAQLGKGMVLPSTSEAVFLAAGVL\GATINPHVI/YI WHSSLTQHLRGGSRQRTSATKWDVALAMTIAGPVNLAINATAA SELNFIYHTGVA
6711	3	347	VTECKVTCENSQLENI*TMIDTLLHYSVKLGHPDTLHGEFK ELVETDLNHLMAKENDQAI*HIMEDLOTNAHQIIFKELIML MAMLTWSYHDNMHDADYQPGQHRPG
6712	118	578	PHGQKRTYFQVRAPGQQAQLAMALCLKQVFAKDKTFPRPRR FEPGTQRFELYKKAQASLESGLDLSVVRLPPGENIDELAVRV VDFPFRINLIYGTMAERCS*TSCPWAGGPRYETEMQDERQYR FALISAPHYMLLMWIESLI
6713	2485	3	QARGSDSEGEFRIQAEEDARARKLGPRPLPTPTSECTSDVR PDTEMVRAQNKKKKSGGQPS*GLSYPPVPGIMKKGYKVTPTPI QRRTIPVILDGKDVVAMARTGSGRTACPLLPMPERLKTSAQTG ARALILSPTRIALQTLKPTKELGKFTGLTALILGGDRMEDQF AALHENPDII LATPGRLEVAVEMSLQLQSVHYVYVDEADLPB MGFAEQLORI IARI PGGRTVLEFSATLPELLVEPARAGLTSPVL IRLDVDTKLEQLKTSFFLVREDTKAAVLHLLHNVVRPQDQTV VFVATKHBAEYLTBLTQTVSCARIYSALDPTARKINLARPTL GECSTLIVTDLAARGLDI PLLDNVINYSPKAGELFLHRVQVRA RAGRSGTAYSLVAPDRIPIYLDIHLFLGRSLTLARPLKEPSGVA GVDGMLGRVPOSVVDREDSGLQSTLEASLELRGLARVADNAQQQ YVSEPPAPSPESI KRAKENDLVGLGLHPLFSSRPEREELQRLRL VDSIKWYRSRATIFEINASSRDLCSQVMRAKQKDKREALARFOQ CQQGROEQEGPVGPAPSPPALQKQPEKREKREKAGESEVEDIPS EVVGRKQRSGPNRGAARRRREARQRDQEPYIPYRPRKDFDSERG

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			LSISGEGGAFEQQAAGAVLDIMGDEAQNLTGRQQLKMDRKKR FVGQSGQDKKKIKTESGRYISSYKRLYQNKQKQKID+S*L GERRGILTRRRPTEFVGEARPLAQAGCIPOPHAPHPLQARSA LELKEQIILKORREAKAALSLOENWFOALCPQ
6714	169	1416	HNCQELLPPPPAPMAHI PSQGAAPANGAAPMGPOYCVCKVELSVS GQNLLELDVTSKSDFFCVLPFTENGRNIBYDRTETAINMLNPAF SKKPVLDYHFEVQELKFALEFDQESSMRLEHDFLGQFSCSLG TIVSSKKITRPLILLNDKPAGEGLITTAQGLSDNEVITLSLAG EELDKDLFGESDPFLBFTKPGDDGKMLVHTEVIKYTLDPVW KPFVPLVSLCDGDMRKP IQVMCYDYNDGGHDFIGEPQTSVSQ MCRARDVPLBFCINPKQKQKKNYKNSGIIILRSCKINRDYS PLDYLLGGCOLMFTVGIDFTASNGNLPDPSSLYINPMOTNBYL SAINAVGQIIQDYDSKMPFALGFGAQLPDMKVSHEFAINFNP THPPCSGVDGLAQYASCLP
6715	32	493	GPAGAECSLHCLPATVQALAGRAHSPIGGOPPRGGLIGSOMP GKPKHLGVPMGRMVLAVSDGLSSTTGPOQGEGRSSLSIHSL PSGSPSPFPTEHQVVAWSALSPRLLQDPLGLAYPTEFLKKEFS AENVTFFKACRRFQQIPASDT
6716	1	176	GAGGPAFBSFGSEFPRAALREDEMSARAAAKSTAMEETAINEQ HTVTLEHVSLLCSK
6717	115	856	LYAMSGFENLNTDFYQTSYSIDDSQSQSYDYGGSGGPYSKQYAG YDTSQCGRPVPPMMQPOQPYTGQIYQPTQATPASPQPFYGN FDEPFLLEELGTFNPHINQKTLTVLEPLKVDGSIINNETDLAC PMVPLAFGATLLLAGKIQGYVYGISAIGCLGMPCILMLMSMT GVSPGCVASVLGYCLLPMILLSSFAVIFSLQCMVGIILTAGIIG WCSFSAKRIFISALAMBCQQLLVAYPCALYGVFALLSVF
6718	290	599	KQSSTVPGTILPSLEWHNSGLCKFPETGGKMTTFKSGLTIFKQVA VIFTEELGLLDPVCRNLYQDVMLENFRNLLSVGHPPFKHDFVL LEKKEKLDIMKTATO
6719	1	691	PTRPREQDRDGGKCHMMMPISGNLMCDPIAMSCSSDHGCBT DLSDDDDKIRFPNNFMDSASQDGLSRKISRKRVCSDDSDSL QVVKSSKARTGLLRITRCAATAANKIKMSDVEDVSLNVHT RSENGRKRPLHLACTTARKKLSDCGSHVCEVPSEQYACEGKPP DFDSGSKTVLSQALNGSDSDMLNSRKHRTNIRKIDAPSK RESSSVTSSG
6720	3	822	HEVAREAGGTVPYQRTMPGTAKRPHVITPPEPKWELTGYEAA VPITRESNPLTDLDKADAENTVRLLCQCDARIFQREGQALSTY QRLYSESILTTMVQVAGKQVLEKPDGGLVVLSCGGTSGRMAP LMSVSNQLMRGLQKPLTYTYLIAGGDRSVVASREGTDSALHG IEELEKVAAGKRVIVIGISVGLSAPFVAGQMDCCMNTAVFLP VLVGFNPFVSMARHPFPPRILRLSLTVFPSLRAPHYQITSLFSM SVVTLISE
6721	3	822	HEVAREAGGTVPYQRTMPGTAKRPHVITPPEPKWELTGYEAA VPITRESNPLTDLDKADAENTVRLLCQCDARIFQREGQALSTY QRLYSESILTTMVQVAGKQVLEKPDGGLVVLSCGGTSGRMAP LMSVSNQLMRGLQKPLTYTYLIAGGDRSVVASREGTDSALHG IEELEKVAAGKRVIVIGISVGLSAPFVAGQMDCCMNTAVFLP VLVGFNPFVSMARHPFPPRILRLSLTVFPSLRAPHYQITSLFSM SVVTLISE
6722	1	390	ESNSRRTWQALPMAVLPLLLFLCSTPQAADNMQAITVALGEAVE LPCPSPSTLHGDEHLSNFCSPAAGSFTTLVAQVQVRPAFDPGK PGRESHLRLGNYSNLWEGSKEEDAGRYWCAVLGQHHTQBNW
6723	173	659	VQYCTARMADFGISAGQFVAVVWDKSSPVEALKGLVDKIQALT GNEGRVSVENTKQLQSAHKSSFDIILSLVPGSTTLHSABTL AEZARILRPGGCLFLKEPVETAVDRNSKVKITASKLCSALTSLGL

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6724	173	659	VEVKRLQRRPLTPREVSQVRHILGHESDNL VCQYCTARMADFGISAGQFVAVVWDKSSFVRALKGLVDKIQALT GNBGRVSVENIKQLQSAHKBSFPDITLSGLVPGSTTLHESAIL ARIARILRPGGCLFLKEPVETAVDNNSKVETASKICSALITLSGL VEVKRLQRRPLTPREVSQVRHILGHESDNL
6725	356	722	RRRTFPVILATMDDDLMLALRLQREKMLQARRHHAQBSLSLVD ASWELVDFTPDLOALFVQNDQFPWQLEAVEVKSVRMTLCAG ICSYEGKGGMCSIRLSEPLLEKLEPRKDLVEVFPV
6726	98	714	HLQWEMRKINERKKRKYEGCKHSSLEDTDQGNKCSLTMLTLNVG GYLYITQKQTLTKYPDTFLEGIVNGKILCPDADGHYFIDRDGL LPRHVIANFLNGLLLPFGFRNQLLAQAEFPQLRGLAEEVKS KWEKEQLTPRSTTFLBITDNHDSQGLRIPCHADPFIKIKSRI VLVSKSRIDGFPREPSISSNIQKYPFK
6727	1	831	FRNGGDERPHYGYKHGTPOKYDPTFKGPTYNRGCTDIYCCVLL LAIVGYVAVOI IAWTHEDPRKVIYPTDSRGEPCGQRTKNENKP YLPYFNIVRCASPLVLLFPQCPTPQICVEKCPDRVLTILNARSS RDPFYTKQPCVPGFKHKGVAEVLRDGDCPAVLI PSKFLARRCF PAIHAYKGVLMVGNFTTYEDGHSRKNITDLVEGAKKANGVLEA RQLAMRIFEDYTVSWYWDIISLGIAMMSLLPIILRLPLAGIMG RGMIMGLVLVGY
6728	486	935	FCSSWLRSLANDSSLSWKMFLVGLTGGIAGSKSSVITQVPOQLGCA VIDVDVMARHVQPGYPAHRRIVEVFGTEVLNENGDIRKVLGD LIFNQPDRRQLINATHPRIKEMMKETPKYFLRBPRTSPROKK HVPSALKRADSIMRDT
6729	259	1191	VGLTGAQSGRTASMGDQRAVACPALERNLLIGTVTVGFLAQSV LAGVKKFDVPCGGRCDSGGCQCYPERKGRGQPGFVGPQGYNGPP GLQGFPGLOGRKGDKGERGAPGTGPKGIDVGARGVSGFPAGDGI PGHPGQGGPRGRPGYDGCNGTQGDSDGPGQPGSEGTGPGPGQG PFGQKGBPYALPKERRDRYRGEFGEPGLVGFPGPPGRPGHVQM CPVGAPCRPGPPGPGPGKQOQCARGLGPGYVCKEKGDDVQPGPN GIPSDTLHPILAPTGVTPHPDQYEGEKGSEGEPOIRGISLRGER GIM
6730	784	1015	NMVDYTEVLGLQRYASFEDIKKAYHKAVALKHPDKNPENKREAE RKPEVAEAYEVLSENDEKRDIVDEKGTGELNEF
6731	1	446	GIRKRLHGAUVPEVEVGCPTWETRESEGVHLRPTSPILKNDEGS LDITYAGLDSAVSDSASKSCVPSENCLDYERILTBEGTAERATY NDLQVEYKQCLQMKMLKKPKBIQTQNFSLINENQSLERNISA LTKARVEINRDEBT
6732	102	1205	GENQRRFPFPFPLWCLQPGGSDPQOLTQLRHCLSHSPQDTFW AQRQVCYTAATTOAAPATRNCLPDRSGHPTPPRSHRHHRQEN LGSLEPSSRSTKATSTTNAGDGRRRAEAVREGVYVTPRAPIRE GEGRLAPQNGGSSDAPAYRTPPSQRREVRFSDEPPEVYGDPE PLVAKERSPVCKRTHLEEPSDSAKREVRRESAYTLRSRORRQPR PQTEKMKTRRTTLQQHSEBPPLQPSVMTTRGLRDSHSSRE DEASSQDLSQTISEKTVERIQEAPAVSEDLVIRLERPPLRYPR YRATSVQKVNPFSEBGETEDDQSSHSVTVKARSRDSDESG DKTTRSSSYIESFW
6733	613	1311	ESCRQVGMRSRNQGGESASDGHISCPKPSIIGNAGEKSLSEDAK KKKSNRKEDDVMA9GTVRHLKTSGECHRTKRSLELSKEDLI QLLSIMEGELQAREDVIMLKTETKPFVLEAHYGSABPEKVL VLHRDAILAQEKSIGEDVTEKPISELDRLEEKQKETYREMLEQL LLAEKCHRRTVYLENEKHKHTDYMNKSDDPFTNLEQERERLAK LLEQEKAYQARKE
6734	189	551	SAMFPVPSGCPQLQEKNSLRLVSPREVAHFVWENQDLOD AQRTRYDVMLETYSSLSLGHCTTPENIFVLEQCAEPWIVBE

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6735	280	558	TLNLRLSGGSKKQVPSGICHRSLVELQEVHLV ESRRAGVTENSNPFLKQVFNKDETFRPRKFPBPGTQRPRIHKKA QASLNAGLDLRLAVQLPPGEDLDWVAVRVVDFPNRVNLIYGTI XDGCT
6736	195	808	MNYELNFKREMPNIESLGLTNLNFLLKRLSSVLPLITDYVYFEN SSSNFYLTIRIERKNTASQNVKAVVCFYRRDISHTLMLAD KHAKELKESESTTVRADLTQKQHLKRELFLSRQYRSLPATH IRGKCSVALLNRTESVLSYLDKEDTFYSLVYDPSLKYLLADKG EIRVGVRQADIPFMLEGTFPCVAVL
6737	150	1209	PVIMPLHFS PGDIVRPSCCVSSPKLRMAHSRLRSYRPTDLS REDTGCVLQHI SDRENIDDLNMFNPEDHPRASTIFLSKSQTDV REKRKSLFINHPPGQIARKYSSCSTIFLDSTVSQFNLKYYIK CVLAITYYHINRDPDGRMLDIFDENLHPLSKSEVPDPYDKHN FBEQIYRFRVTLFSAOQLTARCAIVTLVTLERLLTYARIDICP ANWKRIVLGAILLASXVWDDQAVWNVVYQILEDITVEDMNELE RQFLLELQPNINVPSSVYAKYFPLRSLARANNLSFPLEPLSR RAHLELAISRLCEKYEDLRRSARKRSASADNLTFRNSPAILIS
6738	148	653	CACAEQPARAEVGAATALPVRWASGEMAPSGSLAVPLAVLVLLI WGAPWTHGRRENVRVITDENNRRLLEGWMI EYAFWCPACQNL QPEWESFARWGEDLVNIKAVDVTEQPGLSGRFXTALPTTYHC EDGEFRYQCPRTKDFINFLSKWESIEPVSSNF
6739	3	631	SWPDMAREEVAKLEKHLMLRQSYVKLQKLAETKRCALLAAQ ANKESSESFISRLLAIVADLYBQEQYSDLKI KVGDRHISAHP VLAARSDSWLANLSSYKELDLS DANPEVMTMLRWIYTDELEP REDDVFLTRIMKLANRPQLQLLRRCCKGVMSLVNVRNCIRPYQ TARELNASTLMNYCARI IASHNVSEVEGVNKAL
6740	3	631	SWPDMAREEVAKLEKHLMLRQSYVKLQKLAETKRCALLAAQ ANKESSESFISRLLAIVADLYBQEQYSDLKI KVGDRHISAHP VLAARSDSWLANLSSYKELDLS DANPEVMTMLRWIYTDELEP REDDVFLTRIMKLANRPQLQLLRRCCKGVMSLVNVRNCIRPYQ TARELNASTLMNYCARI IASHNVSEVEGVNKAL
6741	141	960	PLTLFPSSRARAGHTMNTSPGTVGSDPVLATAGYDHTVRFWQA HSGICTRTVQHQDSQVNALEVTPDRSMIAAAVQPVSLGYQHIRM YDLNSHNPNI ISYDGVNKNIASVGFHEDGRWMTGGEDCTARI NDLESRLQCORIFQVNAIPINCVCLBPNOAKLIVGDQSGAIIHW DLKTDHNEQLIPEPEVSITSAHIDPDASVMAAVNSTLVPPSCLL PLAIGILQEGEFESLARRGLLFLACQGCNVCYVWNL TGGIGDEVTO LIPKTKIP
6742	141	960	PLTLFPSSRARAGHTMNTSPGTVGSDPVLATAGYDHTVRFWQA HSGICTRTVQHQDSQVNALEVTPDRSMIAAAVQPVSLGYQHIRM YDLNSHNPNI ISYDGVNKNIASVGFHEDGRWMTGGEDCTARI NDLESRLQCORIFQVNAIPINCVCLBPNOAKLIVGDQSGAIIHW DLKTDHNEQLIPEPEVSITSAHIDPDASVMAAVNSTLVPPSCLL PLAIGILQEGEFESLARRGLLFLACQGCNVCYVWNL TGGIGDEVTO LIPKTKIP
6743	1	412	MHSTQDKSLHLEGDPNPSAAPTSTCAPRMKPRISISKQLASVK ALRECSDLKAIATTALI FRNSDSGKLEKALAKDLIQTQFRN FABGQETKPKYRILSELDEHTENKLPEDFMILLISITVMSDL LQNIK
6744	95	1343	ETPARNRACCEVLRFSSPNKASSPALQAGGGLPAVRALRED RQKVSTVGYGMDVEQDQHEARLKELPDSFDITGTGSLQBELT DLCHMLSLSEVAPVLQOTLLQDNLLGRVHFQDFEALILILSRT LSNEEFQZPCSLBAQPKYVRGGKRYGRSLFPQESVEBFPE VTVIRPLDEARPSHIPAGDCSEHWKTORSESEYRAGQLRFWNP DDLNASQSGSSPPQDMIEKRLQEVCEDLGITRUGHNRKGLVSI

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			CEQYGLQNVQGEMLKEVFENLDPDGTMSVDFPYGLPKNGKSLT PSASTPYRQLARHLSMQSPDESGRRTTSSAMTSTIGFRVPSCL DDGMGHASVERILDWQEGEISQRIKALDPGLDGNINLTSL TLALENELLVTKNSIHQACI
6745	1	588	TFRDQGNARRRMILGCSWESNEAALAGPGLPSSSTARQONNP AAGTECPAAVWARGTAMGSLVSTDSGKSAPASATARALERRRDP ELPVTSPDCAVCLEVLHQFVTRTQGVFCRSCIATSLKNNKWT PYCRAYLPSEGVPAIDVAKEMSEYKNCACDITLVCLSEMAHI RTCKYIDKYGFLQELBETA
6746	110	492	GATGAMASAPARHRRKRSTPLTSSSTLPQATRESSYPQTTEI SLNTVVAALQAVEKKMSQAARLQSLBGRGTGAREKLADCEKMA VEFGNQLBGRKAVLCTLLQHYGLLQRRLENVENLLEWRN
6747	247	484	BAVTPKDVAVVFTHEELGLDLAQKLYRDVMLENFRNLSSVGH QPPHRTDPEPLREEKPMMDLATORBEGNSVITAGVC
6748	201	665	MTTFKEAVTFADVAVVFTERRHGLLDPAQRKLYRDVMLENFRNL LSVGNQPPHQDTTFLPGEKPKWKMTTSQREGNSSGGKIQIEMET VPEAGPHEEWSQQINBQIASDLTRQNSIRNSSQFPKEGDVPC QIEARLSISXVQKPYRCECKQ
6749	95	719	RRRVKGGDGVCFRARGSPQSQQFPSCAGGGEGLLQSSGEALDGM SAGOPCPAAGGGPGGASCSVAGPGVSMYRMLVLEKEPDKAF VDVLLLGEIDPDQADITTEGRQKMTSLSSCPAQLCHKAQSVSO INHKLEAQLVDLKSLLTQAKVVLKKEVEDQLQLHSIQQL HAKTQGSADSCTTBAKLSGSPVELEREKLAN
6750	3	428	SCESRRPGAKVWASGALPRDTTGLGSEQPSGDVAQSNRATMGT TAPGPIHLLLECDQKMEFLCNMDNKLVLLEETQEEAERMETR RPSKEPLMPATPSQKNERKKRRISYVQDENRDPIRRRLSRKRS RSSQLSSER
6751	152	1417	PTKATEMAGASVKVAVRVRPNSREMSRDSKCIQMSGSTTTIV NPKQPKPTXSPSPDYSYNSHTSPEDINYASQKQVYRDIGERML QHAPEGYNVCIAYGQTCAGKSYTMMGKQKQDQGGIIPQLCEDL FSRINDITNDNMSYEVEVSYMEITYCERVROLLNPKNRGLRVR HPLPGPYVEDLSKLAVTSYNDIQDMDSGNKARTVAATHMET SRSHAVPNIIPTRKRDATNTTTEKVKSLSLVDLAGSERADST GANGTLKQANINKSLTTLGRVISALAEKMSGPNKKNKQCTD PIPYRDSVLTWLLRENLCGNSRTAHVAALSPADINYDTLSTLR YADRAEQIRCNVINEDPNNKLIRELKDEVTLRDLLEYAQGLGD ITDNTALVGMSPSSSLALSSENV
6752	24	1834	RNCVPPGLCYRSRVKPHSDIKQYSEHCHILLERLNKQREAGFL CDCTIVIGEPQFAHRNVLASPSBYFGATYRSTSENNVFLDQSQ VKADGPFQKLLRPTTGTILNDSMWVKEIHQAADYLVKEEVVTRC KTEMDPAFTANPSSSTBISITGNIELNQTCILLTRDYNNREK SEVSTDLIQANPKQALAKKSSQTEKKKAFNSPATGQNKTVQY PSDILENASVELFLDANKLPTPVVBOVAQINDNSELELTSVVEN TFPAQDIHTVTVKKRKGKSPNCALKEHSMNIAVSRSFYBAE NSGEHLQRYSKAKPMQNTCGKVPSEASSLRHRMRIRKGVKPYV CHLOGKAPTQCEQLKTHVTRHTGKPKYKCELCDEGFAQKQDLVF HSRMHIGERKPKYCDVNCQLPATSSNLKIARKHSGGKPYVCDR CGQRFQAQSTLTTHVRHTGKPKYVCDTCGKAPVSSSLITHSR KHTGKPKPICELCGNSYTDIKNLKHKTKVHSGADKTLDSAEED HTLSBQDSIQKSPLESDMDVKSPTMTLPLALEPLGTEDHMLLPV TDTQSPSTDLLRSTVNGYSEPOLIFLQOLY
6753	2	1305	VPSPLPYPPQKVVAHTEFTSSDSBTANGIAKPDPMVPGGERKAS PFGIKLRRITNYSLEFNCQQAQKQKRRHSTGDSADAGPPAAG SARGKEKNEGVALKHGPSLPQERKQAPSTRDSAEPSRSSRSPV AHPGPPPASSQTAPREHDKAANKMPLAQKPALAPKPTSTQTPPAS

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			PLSKLSRPVLLVLLSRRAGRPDPEPSEPSSEKQSSDRPPSPF GPERRCQKRDREERATERKAPSPPLPATQQRKPSQTPKGRKE KPMLOSRHSIDGSKLTEKVETAQPLWITLALQKQKPREQOATR ERRKQARRAKQAKLSKENVSVSVQPGSSSVSRAGSLHKSTALP EKKRPETAVSLERREQLKANTLPTSVTVELSYSSPAAPLVKE VSEKPFSPDDAPVSSPAWLAALAKREKAKWSDCPLTIK
6754	2	413	FVRRRRRLGGPEVWTHSLHKSRIADFDVLRKPSIALEKRE LSPSGIPCGLRCLCWKILLNYLPLERASWTSILAKQRELYAQ FLREMIIPGLAKAMGVSREDVTFEDHPLNPNPDSRWNTYFKD NEVLL
6755	298	1343	PGLQLQVALEADWFLDMFGRRRQPSRQQLSEALPSIATLVGGG CGNGTGLRNNGSAIGLFPVPPITATITPGFVRHCQIPDLVVDGS LLPEFLFFIYLLVALPIQYINIKTVWVYFNEPASCTSLNPHL IDYHLAAPTVMARLNLVALISEATKAGAASMIHYMVLISARL VLLTLCGWVLCWTLNVLFRSHSVLHLLPLGYPFGVYVFLCCFHO DSRAHLLLLDYNYVQHEAVERSSASTVGLAKSKDFLLSLLES KEQPNNAITPIHSCPLSPDLARNEVECLKADFNHRIKEVLFMS LFSATYVAFLPLCFVKSQVYLITMCFLDLGVNINNVFLV
6756	180	754	YERAGSLPLSTIPVSWCSLETLYQQQLRPKVLICQTRVQCHD LRSLQPPGLKQSPCLRVGLQTGATTGHLRDLTKRELITLTS REAQKRRKRRKESGMALTOGPIITPRDVAIEFSQREWSLDPVO KALYWDVMLENRYNLVPLGKONFALEVKICPRVFLYPLCCLSWB PPHYLTETALLTHK
6757	2	459	NSRVRAPEARSRESQSSDAMRKHLNWNLATVCMLLFSHLSAVQ TRGIKRIKNNRKALPSTAQITAEQVAENRCPAFIKQGRKLDID FGAEGRYIYEAANYWQPPDGIHNGCSEANVTKEAFVTGCINATQ AANQGRFQKPDNLHQQVLW
6758	1	1008	ASGPELPGRRPRDRAPWLPARLLRGVLAVVSLSALPGSPCRR RVPSLAQLGHSRAAPSDDVNRSRVPDRCPERRDRANPPPPPS LPSPFRNNMANNSPALTGNSQPHQAAAAAQOQOQCGGGATK PAVSGKQGNVLPWGNKNTNMLNPMLLTNLSSPTVKVQLVELK TYHEVVDEIYFKVTHVEPWEKGRKTAGQTGMGGVGVGVGGI VSTAFCLLYKLPLTLKLRQVGLITHTDSPIYRALGPMYIRYT QPPTDLWDWPFESFLDDEEDLVKAGGCVMTIGENLRBFLTKLE WPSLTPPRIIPVPQKNIDQIKTRPKI
6759	1	513	EKENFHSIDGTSFTRAFHPQTGLFLLSSPVPQRKTQSGCFDLDSS LLHAKSFSSRSRPRCLNTEDDPDTHKPFLLSSAPPTLSLLIG NFEESVLNTRFDPLGIVDGTAEVGGASGAFCTHLLTPVEVSFY SVSDONAPSPYMGVITLESIGKGRYRVPVPSGTIGVVCVL
6760	239	606	VLSKKRGLSABEKRTDMEIFSBTKDVVQLMDLEKIPKRGIT AMSVKEVLQSLVDGMDVDCERIGTSNYTWAPPSKALHARKHLE VLESQLSGSGQKASLQKSIKAKIGRCFTEERT
6761	29	1733	ERTLEGIREVAAPS DVADAASRRGRCCCLHCTQTQVAQDCPS SSSSVQRCHLSLFQSLHTMTSEKLVNSVAGCADDALAGLVACNP NLQLLQGHVVALRSDLSLGRVALLSGGSGCHEPAHAGFIGKG MLTGVLAGAVFTSPAVGSIIAAIRAVAQACTVGTLLIVENYTG RLHFGGLAREQARAEGIPVEMVIGDDSAFTVLEKAGRGGLCGTV LIEKVAGALAEAGVGLLEIAKQVNVVTRAMTIGVSLSSCSVPG SKPTPELSADEVELGLGIRGEAGVRRIRKATADSVIKMLDHMT NTINASHVPVQGSVVMVNNLGLSFLGLIADATVRSLEG RGVKIARALVGTMSALEMPGISLTLVVDEPLLKLDABTTAA AHFNVAASITGRKRSRVAPARPPQAPDSTAAGGSASRMALVL ERVCTSLGLERHNLALDRAAGDCGPTHSRAARAIQEWLKEG PPPAPPAQLLSKLSVLLLEKMGSSGALYGLFLTAQAQPLKAKT SLPMSAAMDAGLEAMQYTKAAPGDETMDSLNAAGGL

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6762	3	613	ASTISWRLCVAGAEARRFPVPVAGERAGGGAMWPMYLLSWLSLFI QVAFITLAVAAGLYYLARLIRBYTVATSRIKYMIFSTAVLIG LYVFERPFTSMIGVGLFNLVYFELIQTFFPIMLTSPNFIILSG LVVVVHXLAFQFFAREYFPSEVLAYFTFCLWIIIPFAPVLSA GENVLPTMQPGODVVSMTPTKGRGK
6763	2	760	SGDPDFGRRPFGCCVRPPAGAGMELGGHDMNSAPRLVSETAE RQEQKGTGTEABAADSGAVGARFPILCLYIGGFLDLFGVSMVVP LLSLHVKSLGASPTVAGIVGSSYQILQLPSTLVGCHSDVVGRR SSLLACTILSALGYLLGAATNVFLFVLARVPAGIFPHLISIR ALLSDVVPKERRPLVIGFNTASGVGFTLGPVVGSTI.TELEDGF YLTAFCPLVFIANAGLVWPFPRERAKPGSTE
6764	80	438	LKEMDTMHLVSRNLFPQLVRRVRLSEGNEVQFIQLAKDPEDFR KKWQRTDHLRGKYKOLLMAESTERSALOVKLKHAHQVDVRIER RQRABADCEHLERQIQIDREMLMCDTSGSIQ
6765	3	550	ARYSRVDHFCRRCRAVARAFRPLQLPFGSPSRHFLAACVARNL RGSVLVSRALSGSAMDGIVTEVAVGVKRGSDLLSGSVLSSPNS NMSSMVVTANGDSKKPKGDKMDGAPSRVLHDKLPGEVTRTE VIALGLPGEVNTILMLEGKQAFLELATEAAITNGNYYSAVT PHLRNQ
6766	1	1287	EGSPFKASLTWMLPGLGEMKLHCEVEVISRHLPALGLNRGKQVR AVLSLCOQTSRSQPPVRAFLILSTLKDKEGTRYELRENIQFFT KFVDEGKATVLRKPPVDICLSKANSSSLKGLSAMRLAHRGCN VDTPVSTLTVPKTSSEFBEFKRMVITSKKDPLSKNFFPSLEHL QTSYCGLVRRVDMRLCLKSLRKLJLSBNHKKLPATIGDLIHQ ELNLDNHLSEPSVALCHSTLQKSLSLDLSENKIKALPVQFCQ LQKLEHLKLDNHLIQFPCKIGQLINLRPLSAARNKLPPLPSBP RELSLEYLDLFGNTFFQPKVLPVTKLQAPLTLLESSARTILHNR IPYGSHIIPFELCQDLDTAKICVCGRFCLASFIOGTTMNLHSV ABTVVLVDNLGOTEAPIISYFCSLQCFVNSDI
6767	336	919	APMILCLSSDLQPRYKBAFLRDRGLQIGYCSVDDDPKMHFLNV GRLQSDNEYKDDFAKSRSQPHSSSTDPGLLQAKRSQQLASDVHY RQPLPQPTCDPFOGLGRBAQZAHQLQSDVRYKSDNLNLRGVGWT PPGSKYKEMAREARLALHARGLGLQGAYRGAAVEAGDHQSGEV NPDATRLHVKKKKALL
6768	2	363	FGSTISCYLLSEGBLPLCMQVACGBBKHRAPTMKTLARFKKTE LRLSPTDLGSCPPCPQPCPIPKPAARGRRQSQDWKSDERLLQAV ENNDAPRVAALIAKGLVPTKLDPEBKSAFHL
6769	284	396	MSTPDFSTAEKNQELANEVSCLEKAMITMLQAMQAD
6770	1	397	QRNYQVINSSTNAKLHDYIYEDVVKLWTEFNYSVMQVFRVEK ITLNMVGEALADKKLLDHAADLAISGQKPLITTKARKEVAGP KIRGGYPIGCKVTLRGERNWEFFERLITIAVPRIRDFRGLSAS
6771	3	378	APAGTLAMTGKSVKDVDRYQAVLANLLLEDNKFCADQSGKGR NASRNIGVPCICRCAGIHEMLGVHLSRVKSVNLDQWQBQIQCM QEMGNGKANRLYAYLPETFRPQIDPYLFNSNLEG
6772	1	1400	AAAFLOGMTVNGFINTVITSL\ERRVDLHSYQSGLLASSYDIAA CLCLTFVSYPGSG\HKPRWLGGR\VLMTGSLVFPALPHPTAG P*GWKLDAGVRTCANPR\PVCAG\HTSGLSRYQLVFMILGQFL HGVGATPLYTLGVTYLDERVKS CSPITIALFYTAAILGPARGY LIGGALLNITYEMGRTELTTESPLWGVAVVGFQSGAAAFPT AVPILGYPROLPGSQRYAVMRAEMHQLKSSRGEASNPDGKT IRDPLSINLLKNPTFILLCLAGATEATLITGMSTFSPKFLES QFSLASAEANTLFGYLVVPAGGGGTFLCGPFVUNKLRGSAVIK PCLFCTVVELLGLVPSLRCPSPVMAGVTASYGCSLLPBGHIAL TAPCNAACSCQPHYSFVCCSDGLWYFSLCHAGCPAATETINVDG QKYYRDCSCIPQNLSSGPGHATAGCTST

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6773	1	630	PWEAPKREHYKAREZTVLTVTGEPCHPFFQYHRQLYHKCTHRS RPGPQPHCATTPNFDQDRNGYCLEPRKVIDHCSKHSPOKGGT CVNMPSPGPHCLCPQHLTGNHCQKCKCFEPQLLRFFHNEIWTYR EQAAVARCQCKGPDHACQRLASQACRYNPLHGGRCLEVEGHRIL CBCEPVGTGPFCDVGE*GGASREPPAPENDGLAR
6774	146	389	LTRELSDQYFLPFIIS/WVPTFLSMVDVGRVLEKADSFSKTISS GLRIGFLTGPKLIERTVILEIQVSTLHPSTPNOLMISQ
6775	104	614	TCPSQLRVLTVARGGRAPSPQLMTLVIALIERKNEHSHRIAMNS CRPETMRMLDALYTIQGEVAMVTDYCAFIKIPGCRQGLVHRT EMSSCRVDKPSRIVDVGDKVWVLIGREMENDRIKVSLSMEVWN QGTGKDLDFNNV\LSKRRGGGDPSTRITLGRSPRLRS
6776	3	1108	HERHERHEGALSQDALLRISIPLOSNNRPRKCRFVHPONQLLH LNGTFPNTSDAMHPCVDGAVYDRISFSSSTIVTENDLYCDSQSL TSVAKFVFMAGMVGGLGCHLSDRPGRFPVLRNCYLQVAIVGT CAALAPTFLIYCSLRPLSGIAAMSLITNTIMLIAEWATERFOAM GITLGMCPSGIAFWTLAGLAFARDWHILQLVWSVFPVIFLTS SWLLESARWLIINNKPEEGLEKRLKAHBSGMMKARDTLTLEIL KSTMCKLEAAQKKKPFILGERLEMPNICKRISLLPFTFANFMA YFGLNLHG/LKHLGNVPLQLTLPQAV/TTPGQLVHLHGNGSG RVSSRGVNLCLGLFVLQVW
6777	779	63	CFPHGPAWRDCVRATFAKKQGGQSGIISCIAPSPAQPLYAGSY GESLGLYAWDDGSPALLGGHQGGITHLCTHPDGNRFPFGARKD AELLCDWLDQSGYPLNSLGRVTTNQRIFYDLDPTGQFLVSGST SCAVSVWDTDGPNDDGKPEFVLSFLPQDCTNGVSLRPSLPLLG HCLPVSVCLSPTESSGRRREGAGPSLGSRRRHVHLECRQLQWNC GGGARLQHP**SPRARKGR
6778	311	805	IQSITDESRSISIRKRNPNTRLRLNVP\BETAGDSE/ERSPERB VQADPRIRASAPKCTSSPFPKGRSPEGEGET\DPKCVHPHGP KDKSVAKN\KGP\SPVSSGIGDFFSNKPEWENLNQSVRRMH T\AVRLNEVIVKSRDAKLVLLMPCPTRRNGDENY
6779	2	535	RALRRQPRLLAANGIHPESMAISEPIKGRKPCVNKRRLALKRP MAKCANRPREPPQDARAEASFGGASESDQGGHESPPKKKAV AWVSARKNPAPNRKKKVSIGPVSYVLVDSDEGRKKPVNPKKSPG SRREASDQKAPRGOQPAEATASTSRGPKAKPGSPRRATNBSRK V
6780	3	403	HEVNDNKPENINLMSPGKEEISYIPEGDPIDTFVALVRVDKD SGLNGRIVCKLHGHHFKLQTYEENYLILTNATLDREERSEYS LTVIAEDRGTPSLSTVKHTVQINDININPPHPQRSRYEFVISE K
6781	1	1269	APTRFVFPPTLQDLSSSKRPSNGINLPHSNELCSSLVHFBLSVS SNVAPSIPPVMSRPVSSSSISTPLPPNQITVFTSNPITTSANT SARLPTHLQSAIMSTVVTMPNAGSKVMVSEGGSAAGSHARPQFI TPVFINSSSLIQVMGCSQPSTIPAPLITNSGLMPPSVAVVGPL HIPONIKPSSAFVPPNALSSSPAPNIQTGRPLVLSSRATPVQLP SPPCTSSPVVPSHPPVQVKELNFEASPOVNTSADQNTLPSSQ STIMVSPLLTNSPGSGNRSPVSSSKNGKVDKIGQILLTEAC KRVTSLSLKGEEQYAGDGETEGGLTTAPGLMGTEQLSTELDS KTEPTPAPTILLEMTSSFPVGTASAGPSLPGGALPTSRSIVTT LVSELSISAVPTTKSNHGGIASRSLAG
6782	3	1327	RKPTVIRIPAKPGECLHEDPQSPFPLPAKPIGNTFSTVSGKLS NVERTRNLESNHPQGTGGFVAVPRLPPRPVNGKTIPTQQPPTK VPPERPPPPKLSATRRSNKKLPNRRSSDMQLKQKSNLATGLS KAKSQVFNQDPLVPRPKPGHPLYSKMYLSVPHGIANEDIVSQ NPGHLSCKRGDVLVMLKQTENNYLCQKGEDTGRVHLSQMLIT PLDHLRSRPNPSPPKAPSHAQKPVDSGAPHAVVLHDPFABQV

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			DDIALTSGEIVYLEKIDTDWYRCNCRNQGIFPANYVKVIIDY PEGGNGKRECVSSHCVGSECVARFEYIGQKDELSFSGEII LKRYVNEEWARGEVGRGTGIFPLNFVEPVEDYPTSGANVLSTKV PLKTKKEDSGSNSQVNSLPBWCEALHSFTARTSDDLSPKRGDR I
6783	3	1750	SYHHHHAQQSAAASPNLTASQKTVTTTSMITTKTLPLVLKAATA TMPASVVGQRPTIAMVTAINSQKAVLSTDVONTFVNLQTSKVT GPGAEAVQIVAKNTVILQVQATPPQPIKVPQFIPPPRLTPRPH LPQVRPKPVQNNIPIAPAPPPMLAAPQIQRPVMTKPTPTTL PTSONS IHPVRVVGQIATIAKTPMAQLTSIVLATPGTRLAGP QTVQLSKPSLEKQTVKSHETDERQTESRTITPPAAPKPKREBN PQKLAPMVSLGLVTHDLLEEIQSKRQERKRTTANPVYSQAVPE PERKKAQAVTYLSTMHGPTKRGRRPKYNAVLOFGALTPTSQPS SHPDSENEKRTETPTTFAPVQPVSLPSTSDGDIHEDPCSV RKSGQLIMCDTCSRHYHLCLODPLKTIKGMNIPCRCQDMLK KEBAIFWGTIAIVHSYLAIAKAEKKEKQLLEWSSDLKQEREQ LEQKVQLSNSISKCMENKNTILARQKEMHSSLEKVKQLIRLIH GIDLSKPVDSRATVGAISNGPDCTPPANAATSTPAPSPSSQSCT ANCNQGEETK
6784	3	1750	SYHHHHAQQSAAASPNLTASQKTVTTTSMITTKTLPLVLKAATA TMPASVVGQRPTIAMVTAINSQKAVLSTDVONTFVNLQTSKVT GPGAEAVQIVAKNTVILQVQATPPQPIKVPQFIPPPRLTPRPH LPQVRPKPVQNNIPIAPAPPPMLAAPQIQRPVMTKPTPTTL PTSONS IHPVRVVGQIATIAKTPMAQLTSIVLATPGTRLAGP QTVQLSKPSLEKQTVKSHETDERQTESRTITPPAAPKPKREBN PQKLAPMVSLGLVTHDLLEEIQSKRQERKRTTANPVYSQAVPE PERKKAQAVTYLSTMHGPTKRGRRPKYNAVLOFGALTPTSQPS SHPDSENEKRTETPTTFAPVQPVSLPSTSDGDIHEDPCSV RKSGQLIMCDTCSRHYHLCLODPLKTIKGMNIPCRCQDMLK KEBAIFWGTIAIVHSYLAIAKAEKKEKQLLEWSSDLKQEREQ LEQKVQLSNSISKCMENKNTILARQKEMHSSLEKVKQLIRLIH GIDLSKPVDSRATVGAISNGPDCTPPANAATSTPAPSPSSQSCT ANCNQGEETK
6785	1	528	LGNTVLHYCSMYSKPECLKLLLRKPTVDIVNQAQETALDIAR LKATQCELDLSQAKSGKFNPHVHVBYEWLQRESDSDDLDD KPSFVKKERSPEPQSFCHSSSLSPODLALPGFSTPRDKQLSY GAFTQIFVSTSTDSPTSPTEAPPLPPEHAGKGTGPPITPHR
6786	1820	1397	RSPKVLVLAPTRELANHVSRDFKDI\TRKLTVARFYGGTSYQSQ INHIRENGIDILVGTGRIKDLQSGRLDLSKLRHVVLDEVQML DLGFARQVEDIIRHSYKIDSEDNQITLFSATCPQWVYTV\AK YMKRYEQVDLDGEMTQKAATTVEHLAIQCHWSQRPVIGDVLQ VYSGSRGRIIPCEKKNVTENAMPHIKONAOCLHGDIAQSQR EITLKGPRGSEFKVLVATNVAARGLDIPEVDLVIQSSPPQDRES YIHRSGRTGRAGRTGICICFTOPREBGLRYVQKAGITTFRVG VPSTMOLVKSMSDAIRSLASVYAADVFPFSAORLIERKGA DALAAALAHISGASSFPRSLITSDKGFVTMTLESLEEIQDVSC AWKELNRKILSSNAVSIITRMCLLKGHMCVCFDPTTESERLOAR WHSDMWILSVPAKLPETEEYDGHSTSNRQSRGWSGSRSGSG RSGGRSGGRSGRQSGSRSGRQDGRRESGNRRRSRSGGHKRS FD*VFYHLWDFLSDPLVDSVYLTRQIDHILGTGLIDHLSBS SVNN
6787	2646	2270	PSSPPKRVPLEELERPPK*KRSGLSLTPKSIQNGP*PQITFF FRLGSPSGVLSAHCNLRLLGSSDPAPASRVAGIIGTCHBWL LVFLVNGPFFHVCGAGLKLTL\VIHPFPPFVGLGLQ
6788	16	936	GGTVDLR\DMIAVSVLAAVRGR/ATVRRVRESNVLEHKSIGRT RROARDKMTSGDVLNRRMFYLLRTAFPSVQINTEEHVD\RLDQ

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			EVILAGS*DS*GYPRGK*LLPKRVFSE/RVLLSGLTPIIDATQE\PTEDLSK\YVTTMVCVAVEGKPMGLGVIRKPPSEYTAAMVDGGSNVRKSSYNKTPRIIVSRSHSCMVQVALQTTPGNQFTIIPAGGAGYKVLALLDVPDKSQBKADLYIHVITYIKKMDICAGNATLKALGEMTTLSGERISTYTCGEGGLASIRNMQALVRKLPDLKTKGHR
6789	2	678	GNGLNVLKIAPESAIKPMAYBQIKRLVW**PGDS*GF/YERLVA GSLAGAIQAQSSITYPHEVLETERMALEKTCQYSGMLDCARRILARE GVAAPYKGYVPRMLGIPIYAGIDLAIVETLEDAWLOHYAVNSAD PGVFPVLLACGDMSSTCGLASTPLALVETRMQAQASLEGAPVET MSSLPKHILRTGCAFLTEGLAFNFMKVI PAVSISTVYVENLKI TLGVQSR
6790	2	4068	APPFGERRRMQAAPRAGGHAALLLNTVSSCLCRAWTAPSTSQKCD EPLVSGPLPHVAFSSSSSISSGYSPTYAKINRGGAGGWSPESSD HYQWLQVDFGNRQKISALATQGRYSSSDWVTQYRMLYSOTGRNW KPYHQDGNIAWAPGNINSOGVVHRLQPIIARYVRIVFLDWNQ EGRIGLRIEVYGCYNADVINFDGHVLPYRFRNKKMKTLKQVI ALNFKTSESEGVILHCECQQQOYITLRLKAKGLVLSLNQSEQL GPIYGHSTVMTGSLDDHEHWSVVERQGRSINLTLDRESMQHPR TNGEPDYLDLDYBIFPGIIPSGKPSSSSRKNFEGCHESINYNG VNTTDLARRKKLEPSNMGHLSFSCVEPYTPVPVFNATSYLBPVG RLNQDLPSVSPQFRTNPNGLLVFSPHADNLGNVBIOLTESKVG VHINTITQTKMSQIDISSGSLNDGQNHVRFLEKENPAILTIDG DEASAVRTNSPLQVKTGRKYPFGGFLNQMNSSSHSVLQPSFQCC MQLIQVDDQLVNLTEVAQRKPGSFANVSIDMCAIIDRCVPMHCE HGGKCSQTDSPKCTCDEGTYSGATCHNSIYKPSCEAYKHLGQT SNYYWIDPDGSGPLGLPKVYCNMTEDRVNTIVSHDLQMQTPVVG YNPKYSVTQLVYSASMDQISAITDSABYCEQYVSYPCKMSRL NTPDGSPTYNWWGKANBKHYTWGGSGPGIQKACGIERNCIDPK YYCNCADYKQWRKDGFLSYKDHLFVSQVVGDTDRQGSRAKL SVGPLRCQGDNRNWRASFPNPSSTLHPSFQGETSADISFYFK TLTPMGVPLENMKEDFDKGLKSAEVSFSFDVGNGPVEIVVR SPTPLMDDQWHRVTAERNVQASLQVDELQQIRKAPTECHTRL ELYSQLFVCGAGCQCGFLGCIRSLRMNGVTLDLBRKAVTSOP SGCSGHCYSYGTNCENGKCLERYHGYSCDCSNYAYDGTFCNKD VGAPFEGHMLRYNFPQAPATHARDSSSRVDNARDQONSHRDLAQ EBIRPSFSTTKAPCILLIYSSPTTDFLAVLVKPTGSLQIRYNLG GTREPYNTIDVHRNMANGQPHSVNITRHEKTIPLKLDHYPSVSY HLFSSSDTLFNSPKSLPLGKVIETGKIDQRIHKYNTPGFTGCLS RVQFNQIAPLKAALRQTHASAHVHIQGLVESNCGASPLTSPM SSATDFMHLDLASADFPYHPCGQAIRNGVHRNSAIGGVI A\VVIFTPSLCTP\VL P*SR*HVBPRKOTLP IPNEKAGGSRQK KPGRRPSMENDPPTSQRPIDBSKKEWPHLGGYLANG
6791	1801	1193	TGHEGANGKGPBGDLQPRGERGQHGPKGRKGYPGIPEPL/PGW SAVV*SWLTAASTKVQAILLPQLE*LGLQIAFMASLATHFSNQ NSGIIFFSSVETHIGNFPDWMGRFGAPVSGVYFFTFSMKHEDV EBVYVYLMHNGHTVFSMYSEMECKSDTSSNHAVLKLAGDEWV LRMGNGALEGDHQRFPSTFAGFLFRTK
6792	33	1073	VHRTNNGVDHMLFSLGSESPRGAIGHIVSTRKTI LAVERNKVL PPLNHRTPSNGFDDFSCLGSYGSDKVLMTFENLAHGRCLCAV CPSPTTIVTSGTSTVVCWELSMTEGRFGLRLQALYGHQAV TCLAASVTFSLVSGSQDCTCLMDLDHLTHVTRLPAREGISA ITISDVSGTIVSCAGHLSLWNVNGQPLASITTANGPEGAITCC CLMEGPANDTSQIIITGSDGMVRVWKT/VGCEDEVCSWTASRRG APGSASKPERPQVGEKPCLESRAGR*HCFDRBAQONQP\PVYAL AVSRNHTKLLVGDGRGRIFCWSADG*BERGSRGSGTTVP

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6793	2340	805	GREKANY(VGSLTQAGTVSLGLDABGQEVFVPFSAVLPMVAFND LVPDGDWISSINLAEMERRAKVLDWGLQEQLEPMEMALRPRPSV YIPRFIAAQ SARADNIPGSRAQOLEQIRDIRDFRSSAGLDK VIVLWANTERFCVPIGLMDTAENLRTIRLGLVSPSTLFAV ASILEGCAFLNGSPQNTLVPGALELANQHRVFPVGGDDPKSGQTK VISVLVDPLIGSGLEKMSIVSYNHLGNDGENSELADLQFESKEV SEKNVVDMMVQSNPVLITPGEEDPCVVIKIVPTVGDSEKRALDE YTSMLLGGTNTLVLRHTCEDSLAAPINLDLALLTELQORVSP CTMDPFPQTTPHVLISLSPLFKAPLVPPGSPVVNALFRORSCE ENILRACVGLPPQNDMLLEHMERPGPSLKRVGFAATYPMINK KGPVPAATNGCTGDANGELQSEPPMTT*GPGHTVSRLFLPAAP HDPTLKAPTNGKRCYSPPTWGSGL
6794	169	1349	DDVKKKPRASAH*EKPGPPFPFVGGRRRAGGSGSHGARSCL(EPAPPAPAPPEDHDEMGPTIDIESFLKPGERTYTQRCRLFVG NLPTDITBEDPERLFEYGEPSVFINERDGFPIRLSRTLAE IAKARLDGTILESRFLRIRFATHGAALTIVNLSFVVSEILLEQA PSQPGFVKAVVVDDRGATGKGFVEPAKPPARKALERCCDG AFLTITTPRVIVPEBQFDDDEGLPEELMQXTQOYHRRRQPP RFAQPGTPEFYASRNEALDEMEHQREQVDNIREAKEKLEAE MEAARHEHQLMIMRODLMRQHEHLRLLELQELQREQIQLR HEEHRRRREEMIRHRBQRLRRQCGPKINMYMENYVCHPLR
6795	1740	1010	GPRTQTQVRDIELDSF*DWAAQETDCAQNSGERL*KGVL/LENFS TMSKSAVKISLDLNLNPLCEQDQDLDMVLTALDAMKMDAPNO EKVNQIQRTVIRPLKPGSVFPLNNAVKRREQALQDYRLQAK VEKTEKEKTPVLAKLHQAREELRPVREDFEAKNRQLEEMPR FYGSRLDYFQPSFSLIRAQVVYSEMEKIFGDLHQDLQPGES DEQREEREAKLSLRLALSTVADD
6796	48	683	GKEIQIPTIKLANLLGLE*PVGALGRGVSP*SHVALGQLGW LTRAVSSWRWELCVSAQEVVSQESA*SSPSFVGACPSLNPBT SVQBORDCNQR*LPRLPSALVGPQGNPQGAFFPCV*PGRCKW HLQSQVLR*ERRRCCRLCPFA*GWRERHOKLGLGHPAPLGST SPFHPEGNSQCCRR*GMAELRLPSSVVL*GILGC*
6797	1620	211	TERMTFSPQTEGSSCTRFSSMLMTSTWRCILCHWAGMRMSVGV TLGPMAGCLLSAGCTTTEATWTRPTTHLTLIRNWLITASRVDPF ERPPPPPIDDLITLLESSSSYKHL/DAQIPQ/DWSMSPSTSG*RP LTRASSIMRSRTAIPAS*SLITTKHTVGGSPSAWRPPTSRV VSTFVSSSTETTASGSLTWNSSSPAPCPSSAPAHSPFASCKC TSLMGS CGSGDGSSACGSGWNLSMAGTSCSSPAMCSPSRAPS* RSASRPRTWRATTSAASSWAPRCWCGNA*SAT*PSSTTTISSS PHCGWPCPASCASAAANLSTNATASVAGSCWGPIM*SSAHSFN CLSACSRSSMTTCL*RSPP\SGASRAAAACGSSPSSTFTPS ASSSTWCSASSRSSPAPPTPSIPAAQAQRASCRPTSHSART APPPASAAQAARPAAPSAABGTERRSIRCN
6798	3894	1696	STIGWESLESMLNKAATNPSNRQEDWBYIIGFCQINKLEQ*VS ALNGQLRGSGLGRCTTMAKRGQPGSPRLSALCEVLLVPO\POIA VRLLAHKIOSPOEWBALQALTYLGDVSEKVKTEVIELLYSWTM ALPREAKIKDAYHMLKRGQIVQSDPPIPVDRTLIPSPPRPKNP VPDDREKSKLLAKLLKSNPDDLQEAANKLKSVMREDEARIQEV TKRLHTLEEVNNVRLLSMLLHYEQEDSSDGDRELMKELFDQC ENKRRTLFKLASETDNDNSLQDILQASDNLRSVINSYKTIIEG QVINGEVATLTLPSSENGSCSNQGLTLDLAELOTTISLSSVLA PAPTTPSSGIPILPPPPQAGPFSRSSQAETLGPSSSTSNAL SNLDEKLLCLGLADPAPNVPPKESAGNSQWHLQREQSDLDPPS PRPGTAACGASDAPLLQPSAPSSSSQAPLPPFPAPVVPASVP APSAGSSSIFSTGVAPALAPRVPAVPGHGLALGNSALHHLDAL DQLLEAKVTEGLVKPTTSPITPTTTPARPLLPSTGPGSPFLQ

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			PLSFQSQGSPPEGPPELSLASIHVPLESIKPSALPVTAYDKNGF RILFHPAKECPGPRPDVLVVVSMINTAPLPVKSIVLQAAVPKS MKVKLQPPSGTELSPPSPFIQPPAAITQVMLLANPLKRVRLRYK LTPALGEQLSTEVGEVDQFPFVEQNGNL
6799	3894	1696	STIGNESLESWLNKATNPSNRQEDNEYIIGPCDQINKELEG*VS ALWQQLRSGILGRGTTMAKSGQPGSPRLSALPVTAYDKNGF VRLJAHKIQSPQSEALQALTYLGDVSEKVKIKVIELLYSWTN ALPEAKIKDAYEMLKROGIVQSDPPIFVDRTLIPSPFPPEKMP VFDDREKSKLLAKLLKSNPDDLOEANKLIKSMVRDEARIQKV TKRLATLEEVNNVRLISEMILHYSGQSSDGDRELMKELFDQC ENKRTILFKIASFTEDNDNLGDLQASDRLSRVINSYKTIIEG QVINGEVATLTLPSDEGNSQCSNQGTLIDLAELDTNLSLSSVLA PAPTPPSSGIPILPPPQASGPPRRSSSQAEATLGPSSSTSNAL SWLDRELLCLGLADPAPVVPKESAGNSQWELLQREQSDLDFFS PRPGTAACGASDAPLLQPSAPSSSSSQAPLPFPFAPVVPASVP APSGSSSLFSTGVAPALAPKVEPAVPGHGLALNSALHLDAL DQLLEAKVTSGLVKPTSLPIPTTTPARPLPSTGPGSPLPQ PLSFQSQGSPPEGPPELSLASIHVPLESIKPSALPVTAYDKNGF RILFHPAKECPGPRPDVLVVVSMINTAPLPVKSIVLQAAVPKS MKVKLQPPSGTELSPPSPFIQPPAAITQVMLLANPLKRVRLRYK LTPALGEQLSTEVGEVDQFPFVEQNGNL
6800	404	1646	RRSPSTGLSPVQPPSSPSLSDYSIPWSLLSGTIAWATPGK*AG *PQAN*LGLAPAIAP/ILTRGRKQNKRMAGGSGDDVDDAGDC SGARYNDWDDDDSHSKSIVWYPPWARIGTEAGTRARARARA RATRARRAVQKRAFPNSDDTVLSPQSTLQKVLCLVEMSEKPIILE AALIALGNAAVAFNRDITRDLGGLPIVAKILNTRDPIVKEKAL IVLNLNSVNAENQRRLKVYMNQVCDTITSRLNSSVQLAGLRLL TNMTVTNETHMLANSISDFPRLFSAGNEETKLQVLKLLNLALAE NPAMTRELLRAQVPSISG\SLFNKQENKEVILKLLVIFENINDN FKNRENKPTNDFGEGSLFFFLKEPQVCADKVLGIRSHDPLVK VKVGKFNAILAHMPPKSQE
6801	2	1755	SAREVPSQASVTMHDVDAESFEVLVDYCYTGERVLSHANVERL YAASDMLQLEYVREACASPLARLDLTNCTAILKPADAFGRRL RSQAQSYIAQNFQLSHMGSIIBETLADTLAQLLAVIRLDSLD VESEQTVCHVAVQWLEAAPKRGPSAAEVFKCVEMHPTBEDQD YLBGLLTPIVKRYCLDVIEGALQMYGDLLYKSLVPPVNSSSS /R*QOQLSCICSRKSTPETGYVCQGGDLWTTPORSLS\RYDPY SGDIYTPSPITSFARTKIVTSSAVCVSPDHDYLLAAQPKRDLN VYKPAQNSWQQLADRLLCREGMDOVAYINGTYILGGRDPIITGVK LKEVECTSVQENQALVAPVPHSFYSFELIVQNYLYAVNSKRM LCYDPSHNMWLNCSLKRSDFORACVFNDIYICIDIPVMKVYN PARGEMRISNIPLDSETHNYQIVNHDQKLLITSTTPQWKKR VTYVYDTRDQNIIGTMLGLLQFDSGFICLCARVYPSCLFPG QSPITREDDARSSTENDLDGFSKLDSESGSSSSPSDDEWVQ VAPORNAQDQGSIL
6802	157	1341	ETPPLPFFLLSKTPGRTASMAHFVQGTSRMIAESSTEHKBCAE PSTRKNLWNSLEQKIECLEKQKRELLEVQNDQPPSMKELYE RKVAELKTLDAERFLSTREKDPHORQRKDDQREDDRQROLT RDLQREKKEKRLNRELHELKRNKLLKQKVTLANKEKHYEC EIKRLNKALQDALNIECSFSEDCLRKSVEPCHENRTMEVLK QOVQIYVEEPFKERSDRRLNQEKEELQINETSQSQNLRLNSQ IKACQMEKKEKLEQLQMYCPCNCGLVPHLQDPWVPTGPGAVQ EQREHPPDYQNYALDQLPPDVQHEAN/DWCLAPPPVCCQAG/PR TPGLK*SSCLWLPKC*NPAPILSKBSPSVEVHTNREQQATRER G
6803	1	2203	KLSGRPYRHMGLVGTSEKLYDIRKTIPTFPQPIDQQQFYALLEN

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			<p>KMIVEMLETDLSYLCSRRMTGQPTITFPISHSLDEBGTSLNS SILAALREMDGYFGARVQTGKLSBFTTSCCTHLSFMDPGPE GKLYSEYDDNDYLSGNGMNDYDSTSHARCGDEVARYLDEHL AHTAPHPKLAPTSQKCGGLDRPQAARVQTTCDLMSLVTKARELHVQ NVRMYLPTKLPQASRPSPNLLDSPHPRQENQVPSVRVHILFRD QSGEVDPKALVLQLEKTSLSQEQADILYMLYTMKGFDMNTELYN ERSATVRELLTLYGKVGKIRRWGLIRYISGILRKKVLEALDEAC TDLLSEQKHLTVGLPPEPRRTISAPLPYRALTQLIDEASSGDM SISILTORIMVYLANMKTQPLPAEMFRLRIGLIIQVMATELA HSLRCSAREATEGLMNLSPSAMNLLHLLSGKRGFVERK/SVR PTDSNVSPAISITHIGAVGATKTERTGIMQLESELEQVEPRRLS IGAESQSPGTSMTFSSGSPPSAYDQSSKDSRQGGWQRRRLDG ALNRVFGFYQKVMKVLQKCHLSVSGFVLPSTTREMTGEEK FSVHVES/VLNVLRLPEYRQLLVEATLVLTMLADIHBSIGSII AVEKIVHIANDLFQEQKTLGF/DDTMLAKDPASG/ICTLR/YD SAPSGRFGTWLYS\RAA/ATYVQBFPL\HSICAMQ</p>
6804	1	951	<p>GSFGKREKAKRKESLCHENSNSSEDEBETKAKMTPTKYN GLEKRRKSLRTTCFYGSPFVAERKRLKNSDERLQNSRAKDR KDVWSSIQGQNFKTKLKLPSDSDTEAAASP PPHAPFEGVARES LQTVAREBSCSPSVLEKPPFVNVDSPKIEKTVFVNDKAEFP SGGSNPSA*IPLPYLRLNRLHQL*QKGSROQSSVTSEPLAFN QEEVRSIKSTSTLEVDVAGELQDQSERE*LASRP*COCKL KQ**SARTRS*KSLYRSEKSERCSGRRKFKAEKCP*SNQK QKQKGRHK</p>
6805	1539	206	<p>RQPDLYKFGKSPDVSSESSLLSNDLPKFDGIKARNRNONYL VPSPLRLDHTAFSTERKADIVI CORBCDSPESVNOQTQEEBP IEVHTAEDVPIAVEVHAISEDYDIETENSSRLQDQDEEPPA KLCKLQKSGQANVTAAQKQNPILRANSSGLYKCEPNSKYFS DLQHMILAKKRTDSNVCRVCKESFTNMLLIEHAKLHEEDPYI CKYCDYKTVIFENLSQHIADTHPSDHLVWCEQCDVQFSSSELY LHFQESHSCDEQYLCOFCEHETNDPBDLHSHVNVSHACKLIRLSD KYNNGEHBQYSLLSKITFDKCEKPPVQVCGFASRLHTVNRHV ALKHTKI PPHVCDGCKGFSSMLR\IAHLNHLSEGYLCQYW BYSTGCIKDLKTHLDFKESADLPKCSDCIMRPGNERHLISHLF VHETT</p>
6806	272	3794	<p>VALCFPNSDPVMFMDAFYGCCLLRLGPPVPIEVPLTRKDAGSQOV GFLIGSCGVFLALTTDACKGLPKAQGTGEVAAFKNWPLSWLVI DGKHLAKPPEDWHPLAQDTGTGTAYIEYKTSKEGSTVGVTVSHA SLLAQCRALTQACGYSRARTLTNVLDPKRDAGLWHEGVLTSVMNR MHVVSVPYALMEKANPLSWIKVCYKARAALVKS RDMHMSLLAQ RGQRDVSLSSLEMLIVADGANFWSISSCDAFLNVFQSGRLRPEV ICPCASSPRLTVAIRRPDLGGPPPRKAVLSHNGLSYGVIRVD TREKLSVLTVQDVGVMPGANVCVVKLEGTPLYLCKTDEVEGICV SSSATGTAYTGLGITTENVFPAVPTTGGAPIFDRPFTRTGLLG FIGPDHLVPIVGKLDGLMVTGVRRHNADDVATLAVEPMKFVY RGRILAVFSVTVLHDDRIVLVABQRPDASKESSPQWMSRVLQAITD SIHQVGVCIALVPANTLPKAPLGGIHISETKORFLEGLTHPCN VLACPHTCVTNLPKPRQKQPEVGPASHIVGNLVAGKRIQAQSGR KLAHLEDSDQARKFLFLADVLQWRAHTTPDHPLFLLLNAGTIVT STATCVQLHKRAERVAALMEKGRLSVGDHVALVYPPGVDLIAA FYGCLYCGCVPTVRPPHONLGTTLPTVMIVEVSKSACVLIT QAVTRLLRSKRAAAVDIRTWPITLDDIPKKKIASVFRPPSP DVLAYLDPSVSTTGILAGVKMSHAATSALCRSIXLQCKLYPSRQ IAICLDPYCGLGFALNCLCSVSGHQSVLPPLLEESNVSLWLS AVSQYKARVTPCCYSVMEMCTKGLGAQTGVLNMEGVNLS CVRTC MVVAERP\RIALTQSPSKLPKIDIGLPAARVSTTFCKRVNVAIC</p>

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			<p>LQGTAGDPDTTIVYDMRALRHDRVRLVERGSPHSLPLNESGKIL PGVKVILAHETETKGLDSSLGRIWVSSPENATGYTIVYGREAL HADHPSARLSFGDTYTINARTGYLGLRRTETDASGERHDALY VVGSLDSTLKLGRYTHPIDITSTVIRARHSIACAVFTWTLL VVVVELDGLDQDALDLVALVTHVVLBBHYLVGVVVIVDPGVIP INSRGEQRMHLDGFLADQIDPIYVAYH</p>
6807	1444	606	<p>VGHDTVHAMTCFPCCLGSPFVWVTVSPRSESHITTVSGGNG SVFOAGPOLQALANLRARRGSIGAALESDDVSGLPVYAQSSEPR RLTDAQVAAPFGENALRHSSDQDTNDSLSPGPGCSPLSSGGGAS SLPPGGPGHARAGILKVCDFHLNQQPSPTSVLPTVAAPFLB KILSVDSVAVDCAYRTVPKPGQPQPHGSLTTEGLRSLSGDILN RPPCGMBVHSGORELSVVAVGRAMA\LEFPMGAMSYCLDRDSR FLFRLFMQLSCFLQVQ</p>
6808	2063	737	<p>GVSGGAASALARSPLASRLSSRRRTAPRSGAMQRLAMDLRLM SRELSLYLEHQVRVVGFGSGVGLSLILGFSVAYAPYLLSSIAKK PQLVTGGESPSRPLQDHCPUVTETTYPTVWCWEGRGQTLRLDP\ ITSKPPVQYRNELRTADGGQISLOWFONDNSTCYMDASTRPTI LLPLGLTGTSKESYILEMIHLSEELGYRCVVFNNRGVAGENLLT PRTYCCANTEDELTVIHVVHSLYPSAPFLAAGVSMGMLLLNYL GKIGSKTFLMAAATPSVGNWTFACSESEKPLNMLLFTYLTTC LQSSVNRKRRHMFVKQVDMHVMKAKSIREYDKRFTSVHFGYOTI DDTYTDASPSRLKSVGIPVLCNSVDVVSFSAIPIETAKQN FNVALVLTSGGHIGFLEGINFRQSTYMDRVFKQFVQAMVERGH RLS</p>
6809	939	65	<p>DYSGQTPVPTEHGMILYTPAQTHPEQPGSEASTQPIAGTQTVPQ TDRAAQDSQPLHPSDPTKQKQRLHVSNIIPFRFDPLRQMF QQPGKILQVEIIFNERGSKGPGFVTFETSSDADRARKLNGTIV BGRKLEVNATARVMINKTGNFYTNWKLNPVVGAVYGPPEFYA VTGFFPYPTGTAVAYRGAHLRGRGRAVYNTFRAAPPPPIPTYG AVVYQDGFYGAEL\LEATQPTDTLSPLQRRQPTATVIAESTQLP TRTITPSGPRRPTALEPCETFHRFLGP</p>
6810	939	65	<p>DYSGQTPVPTEHGMILYTPAQTHPEQPGSEASTQPIAGTQTVPQ TDRAAQDSQPLHPSDPTKQKQRLHVSNIIPFRFDPLRQMF QQPGKILQVEIIFNERGSKGPGFVTFETSSDADRARKLNGTIV BGRKLEVNATARVMINKTGNFYTNWKLNPVVGAVYGPPEFYA VTGFFPYPTGTAVAYRGAHLRGRGRAVYNTFRAAPPPPIPTYG AVVYQDGFYGAEL\LEATQPTDTLSPLQRRQPTATVIAESTQLP TRTITPSGPRRPTALEPCETFHRFLGP</p>
6811	1522	658	<p>DLVTWVSFVDCRVIASTHGH\KSWVSVAAPDPTTSVEEGDME PSGSDQDQDLHFGDRDADSTQCRLSRRNSTDSRPVSVTYRFG SVGQDQQLCLWDLTEDILPPEQPLSRARTHVMNATSPAGSN GNSVITTPGNSVPPPLFRSBSLPHSAVSNAGSESSVMGALASGV SKPATLSLHDKRRHHRDHRNHSMBGLSSKSSDKLNLVTKTK TDPAKTILGTPLCPRMEDVPLLEPLICKLAHERLTVLIFLEDCI VTACQEGFICWGRPGKVVSFNP</p>
6812	4001	1682	<p>EDAVFSLDLSTIIGTNWFLNGRELKSENEPEGQVEFGALRYRIEQ KGLQRLILHAVKHQDQALVGFSGCPGVQDSAAALTIQESPVHIL SPQDKVSLTFTTSBRVLTCLSRVDFFPATWYKDGQKVESEKIL VVRNDGRKRLILPEAKVQDSGEFECRTGVSAPFGVTVDPPV HIVDFREHVPHAITSECVMIACEV\DR\EDAPVWYKDGQVEE ESDFVLENEGPERRLLVLPATQPSDGGGFQCVAGDECAFTVTI TDVSSWIVYPSGKVVYAAVRLERVVLTCELCPHAEVWTKDGE BVVBSPALLLQKEDTVRRLVLPVQLEDGSGRYLCEIDDESASPT VTVTRPVRIITYPRDEVTLIAVTLCEVVMCELSREDAPVWYK DGLVEBSEALVLERDGPRLVLPAAQPEDGGEFVCDAGDSSA FFTIVTTEPPVQFLALETTPSPLCVAPGEPVVLSCELSRAGAPV</p>

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			VHSHNGRPVQGGEGLEHAEGPRRVLCTQAGPAHAGLYTCQSG AAGGAPSLSTFTVQVAEPVVRVVAPEAAQTRVRETPGGDLVLVH LSGPGGPVRWYKIDGERLASQGRVQLBOAGARQVLRVQCARSGDA GEYLCDAPQDSRIPLVSVEBPILLVLSDLTFTLVHGGDDATFR CEVSPFDADVTWLRNGAVVTPGPQROSCSYGGCCHCQQRKART CVSENRQAEWVORGPCAGCEVGSPTTLACFPWPMOTSTASSS MVSTWPTRAPTAARATTIAPWFGSA
6813	9	836	SSTQQRPGVAGPRPLDGYLGVADHKKPLMHCRDCLVTSSEHL LHSGQCSQIDQTECVIRMDAPTRCYGRDVGRTSLVIAHSSI QRILNRHDLLEVSGQTVPIPWGPPSSYMRDGEQVYNLHLLS QVLFRLKAFMITRHKMLQFDELFRQETGQ\NRKISNTWLSTGW TMTIALELCORINVYGMCPDPFCDPNHPSVPHYHYEPFQFDEC TMYLSHERGRKGSSEHRPITEKRVFNWARTFNLFHPQPDWKPES LAINEPENKVPF
6814	3	737	KPRRQEN/ARKNRMHGLDADLNLKRVVPCYSKTQKLEKIET LRLAKNYIWLSEILRIGKRPDLTTPVQNLCEGLSQPTNLVAG CLQLNARSPLMGQGGGAHHTRSPYSTFYPPYHSPFLTPPGHG TLNDSKSMKPYNYCSAYESPYESTSPBCASPPQFEGFLSPPPIN NGIFSLKQBSTLDYGRNNTYGMHYCAVPPRPGPLGQGMFRLPTD SHFPYDLHLRSQSLTMQDELNAVFN
6815	906	553	QGLDPASQTEVVELLDGSGRRGRDRSSRDAGGAGPRSESDLE DVGPATWNGDGGSLRRSGSPGLRDALERSSEMLVKLQGGT POBPFPNPRMKRASSLNFLNKSVERPTQGG
6816	1	803	NLLKTHKP\LYGQDEDSLHSPVVAQMGNYQBYLKTASPLREID PDQKRLHTFGNPFKQDKKGMIDEADEPVAGPQNKVRKPGEPN BPMSSKRRRSMSLLLRKPQTPTVTNHVQKGPSPASWPPSYPN LIRPTLVHTDATIHDGHERKMENGQITPDGFLSKSAPSELINM TGDIMPENQVDSLDDFTSLSKDGLIQKPGSNFVGGAKNCSL VDDQKDPVASTLGAMPNTLQITPAMAQGINADIKHQLMKVRKPF GRSK
6817	172	3457	LGNDSPKIGNGLEPVIGPCTDIGISSLEHVGILGNFDSAKVPS DEYCPACKRRKCKLKALKTYRISFQBSIFLCEDLQCIYPLGSKSL NNLISPOLBECHTPHKPQRRKSLESSYKDSILLANSKRTNYIA IDGGRVLNSKINGEVYDETSSNLPDSSGQCFRTADSLERNEI LEADTVDMATTKDPATVDVSGTGRPSFQNEGCTSKLEMPLESKC TSFPQALCVUWKNAYALCMLDCILSALVESERLKNVTVLCSKE ESIFNRLLTKYNQANTLLYTSQLSGVKDGCKKLTSEIFABLET CLNEVRDEIFISLQPOLRCTLGDMRSFVFAFPILLKLKLETHIEKL FLYSPSWDFECSQCGHYQNRHMKSLVTPINVIPEHPLMAHAF GPCNHCMSKSKQIRKMLERVSPIFNLHFVEGLPQNDLQHTAFHF EGCLYQITSVIQYRANHFIITWILDADGSMLECCDLKQPCSRH KKFVVPASEIRIWIWERKISQVTDKEAACPLKKTNDQHALSNR KPVSLTSCSVGDAASATASVTHPKDISVAPRTLSQDTAVTHGD HLSQPKGLVDNILLPLLEETIQKTASVSQINSEAPL\LENKPV AENTGILKTNLTLSQBSLMASSVSAPCNEKLIQDQFVDISFPPSQ VVNTMQSVQLNTEDTVNKSUNNTDATGLIQGVKSVELEKDAQ LRQFLTPKTEQLEPERVTSQVENLKKKETTADSQTTSKSLQWQ SLKENQKPPFVGSWVGLISRGASPMPLCVAENRNTITDLOPS VRGVNPFPGGFKTGINQKASHVSEKARKEASRPPPIKPPFAGPP SSNGTAAPRAHAASEVLEKSGSTSCGAQLNHSSYGNIGISSANH EDLVEGQIHKLRLLKRLKLEAKKLAALMSSPQSKTVRSENLE QVPQDGSNDCHSIEDLLNELPYPIDIANESACTTVPGVSLYSS QTHEBILARLLSPTPVSTLSENGBDPRYLGMDSHIPPPVPS EPNDVSONTHLRQDHNYCSPTKGNPCVQPOSLTNNACVRLTNL BSPMRDIFDEPFFSSALNALANDTLDPHFDEYLPENY
6818	2	240	RGFDRVLWT/LSGAVK\CVQFSRISFDGEEGYFGLKVVVTTTL

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6819	1	961	DGGE/LHS/ATTEHEP/VQATPVNLT\TILTSTWQARLPQI GIPCTENGNPDNANVTGREIPALHYCFRTSLEICYKACKNLAY GREKKKCNFYKTYLLPDRSSQGRRTGVQNFVDPPTFQBTLE YQVAPQVLVTRQLQSVVHLGLARRVFLGEVTLPLATWDFEDS TTQSPRHHPLRAKADKYEDSPQSNGLTVRAKLVLPSRPRKLO BAQEGTDQPSLHGLCLVVLGAHLPVRFPGTINSFVHGCLTLP DQOKLELESFVLRRQACPMKHSFVPSGVTPAQLEQSSLELTVW DQALFGMNDRLIGOT\RLGSKGDTAVGGDACSQSKLQWQKVLSS PMLWTMTLVLE
6820	1014	340	GDMVYIVGHVPPGPFPEKTONKAMPREGPNKYLKVVRKHHRVLA GQFFGHHHTDSFRMLYDDAGVPIAMFITYGVTPNKTTLPGVVN GAMNPAIRVPEYDRATLSLKNVITYPMHLSQANAGQTPRNELEY QLTEAYGVFDASAHMHMTVLDRIAGDQSTLQRYVYNSVSYSAG VCDEACSMQHVCMARQVIDDAYTTCLYASGTFVPQLPLLMAL LGLCT
6821	1088	518	EFDIYR/EVGGEPFVPTREDDSSNGFPRTQHCPSPTVHPIQSPQN RFCVLTLDPFTLPAIATTLIDVLFYSHSTPKRAASSSPSPSSIT FFAFSLIEGYI\SIVMDAETQKFPDOLLTSSEGLWRMVRIG GQPLGFDECGIVAQIAGPLAADI SAYYISTPFDHALVPEDGI GSVIEVLQRROEGLAS
6822	1088	518	EFDIYR/EVGGEPFVPTREDDSSNGFPRTQHCPSPTVHPIQSPQN RFCVLTLDPFTLPAIATTLIDVLFYSHSTPKRAASSSPSPSSIT FFAFSLIEGYI\SIVMDAETQKFPDOLLTSSEGLWRMVRIG GQPLGFDECGIVAQIAGPLAADI SAYYISTPFDHALVPEDGI GSVIEVLQRROEGLAS
6823	654	221	PPKLLSRHARMGHGDEIV\LSDLNFPGLLHLFVVGPEHRSVQTAC GYPQLLEAVLKLPLDTYVESPAVMBLVPDKEKRGQTVPVNTS YESILRRACVRLAKIERFEPYERAKAFVAVTGTALYGNL TLRGEVLAINPLL
6824	858	104	LLLAQRWGW\CCFFSLAVSVKMNVLFPAGLLPALLTQPGPRG ALPKLGICAGLQVVLGLPFLLENPSGYLSRSPDLGRQFLPHWT NMRFLPALFLERAPHLALLTAHLTLLLLFALCRNHTGESILS LLRDPKRRKVPQPLTPNQIVSTLFTSNFIGICPSRSLHYQFYV WYFHTLPYLLWAMPARWLTHLLRLVLGLIHLWNTYPTSCSS AALHI CHAVILLQLNLGPPFPKSTQHSKGA
6825	3	1173	SSGEFGLQASDIHWITSDTGNLITLCSIMEPMALGACTFVHLL PAFDPLVILKTLSSYPISKMMGAPIVYRMLLQDLSYKFPHLQ NCLAGGERSLLPETLENWRAQTGLDIREFTGTETGLTCMVSKTH KIKPGYMGTAASCYDVQIIDDGNVLPPEGTEDIGIRVKP IRPI GIPSGYVDNPDKTAANIRGDFWLLGDRGKDEGYPQPMGRADD IINSSGYRIGPSEVENALMEHFAVVTAVISSPDPVREGVVEAP VILALQPLSHDPEQLTKELQOHVKSVTAPYKYPKIEFVLNLPK TVTGKIQRA\KLDRKRWNSGKAPCAVRHLRDIHLDSPLLSLSP PFGPLALFMDGYGDSLWEEHEYKFCIALVISTELHYVRC
6826	2304	954	LKTESFKPW/VNIALAFHLGERASPNSFWQPYIQTLPRIYDTP LYFEDEVRYLQSTQAIHDVPSQYKNTARQYAYFYKVIQTHPHA NKLPLEKDSFTYEDYRMAVSSVMTRQNIPTEDGSRYTLALIPLN DMCNHTNGLITTYNLEDDRCCEVALQDPFRAGEQIYIFYGTRSN ARFVIESGFFPDHNSHQRVKIKLGVSXSRLYAMKAEVLARAGI PTSSVFALHPTBPPI SAQLLAFLRVPCMYERELKEHLLGDSAD RIFTLGNSEFFVSWNEVELWTFLEDASILLKTYTTTIEDKS VLEKNDLSVRAMAI KLRIGKEKLEKAVKSAVNREYRQOME EKAPLPKYESNLGLLESSVGD SRLPLVLNLEERAGVQDALNI REALSKAKATENGLVNGERSIPNGTRSENESTAOESKRAVEDAK GSSSDSTAGVRE

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6827	1	779	SSVVRFGLSVLGGLFLFVLENNMLLLEHRLRPRCCRRKRKRL ETRLNDPFGSGMALQPLQAAPEPGACQQRKNSQHPALAPPF EQGSHGQGGIDITWVLLGDLNLTDLGLAIGAPSDGFSG LSTTLAVFCHKLPHETIGDFAMLLQSGLSFRLLLSLVSGAIGL GQAVLGVCLSLGFPVLTFWVPGTVAGVLTIVLVNMLPALFPSS GAPAZA\HVLQGLGLLGGCLMLATLLERLLFVTEG
6828	3	1654	KSQHG/WTLQLMHSCKBGYVVDLKGSPGLHRAMLDLNDGTRPSE LGHLSTASLKRGSFQSGRDTWRYKTPHRVAFVRLTKLVLS QLPFWFKLWISYVNGSLPSESTABKSGQIRSKNVQRQNDPKN IQEVNHSLVKLTRGALLPLSIRDGEARQYQGWVCKELSGQMLA HAJQTURLTHESLTALETPEDDLQTIQDLILDLEVRVCMATLQ TAEETRLAKREDWIVDNEGLTSLPQPFQCTVCSLQSLRGVLE CAEPEASVPQPKTQEEVCQLSINMQVPTICLSQLSTKPDADI DTTLSDVSVSPDLFGSIHEDFSLTSEQRLLIVLSNCCYLEEHT FLNTAEHPKHNPFQGTREKTVQSMASLKRDLQRLFENYIELKAD PIVSGLEPGIYAGYFDWDCLEPTGVNRYLERALVNI LAVAEV PTISKELVPRVLSKVIKAVSEKLSRLMQCVSSFSKNGALQARL ICALRDTVAVYLTPEKSSSPQALEALPQLSSGADKLLLELLN KPKSSMHLQLTCPQASSTMMCT
6829	1	782	MEMRAGEAAPPAGAGGRAGGNGKRVNLNVGGTVFLITRQTLCH EQKSLFSLRLCQGERLQSDRDETGAYLIDRDPTYFGPILNPLRHO KLVLCKDMAEBGVLEAEFPYNIQPLIRIIRDMEKDYTVTVQV PKHVYRVLQCEBELTQMVSINSDGWRPEQLVNIIGSSYNYGSED QAEFLCVSKELHSTFNGLSSESSRATKSTEEQLEEQQQQEEV SEYVEQVQVEADQAER/CCKPEAPGCEAPDHLQLGLVPI
6830	1	939	MEPGSVENLSIVYRSDFLVVNNKHVDVRIISKARRETLTLQKQL RYRFPPELADPDTCYGRFCHQDLDFSTSGALCVAINKAAAGSAYR CFEKRVRTKAYLALLRGHIQSRVTSIAHGRNSTEGRAHTMCI EGSQCCENPKPSLTDLVVLEHGLYAGDPVSKVLLKPLTGRTHQL RV\HCSALGHFVVGDLTYGEVSGREDRPFMMHLHAFYLRIPDTE CEVEVCTQDFPLPSLDACNSPHILLQSLDLQVQALRATPDPOPE DRGPRPGSPSALLPGPGRPPPPPTKPPETAQRGCPCLQWLSEWT LEPDS
6831	3	1087	SLPFGSSTPDKVAEORDLETQPSFVKAATVIDPEGTIPTNF NVAEKPADHSISEVKLTADPRGTLVSGDQGVNVEKSMILEN VEDLQPKPFLSEVSREDDYGRKEISGDSEENINSVTSADGENL BIQYSYLIGRKLAMEBAKTIVPHVTDSCRVOQPAIAPPSPKNI SIFKEEPRSDQKQKSLLSFDVVVKVPQPKSASSNPASKMITKE SEKPEIILLVRESKGLIDFSDRLKKHMONPTSLKISERETK LSVSPTEKKNLENR\SYTL\AEKKVLAEKNSV\APLELRDS NEIGKTQITLGSRSSTRLKRSKADAMPQHFYQNEYDNERPKIIVG SEKREDEKKK
6832	1809	412	MSCGLISGPPQDNGGBALKEPERAQEHSLENFAGGQHFFRYLLV VSLKKKRSKEDDYKPIITYQPFKRENLLRQGQKKEERLLKAIPLF CPDGGEWASLTETPRETFSEVLINVDGSRKIGYCRLLPAGPG PRLPKVYCIISICGCFGLFSKILDEVEKHQISMAYIYPPMQGL REAAPPAPGKTVTLKSPIDSGTRFISLTRPLDSHLEHVDSSSL LHCLSFQILQIPASAVLERKIFLAEGSLTSLQCIHAAAALLY PFSHAHTYILVVPRESLLATVCCPTFMVGVQMRPQEEVMDSPM EVLVNLCEGTFPMSVSGDEKDLPEPLQDDILDSLGQGINELKT AQINSEHVSGPFVQFFVKIVGHYASYIKREANGQGHFOERSCK ALTSKTBRRPVKKFVKQLPSLPTQAEKSKNPPAGYPOQKILLE YEQKKQ/TETRGKNCIRAVVNNKD
6833	1	1129	PLMTLSQGGIPGHGSHGCHGCHGLPKGPRVKSTRPFGSSDIN VARGEQGPDQERTWTLVANTSNSNGLKLDPADPENPRSGDTEV QNGNLVRSFDHMLSEDRAGQANRGVFLVGLGDALGSVTVVV

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			NALVFYPSNKGCSGDFCVNFCPPDPCRAVFIINSTHASVYEA GPCNVLYLDPTLCVVMVCIILYTYTPLLERSALILLQTVPKQID IENLIKRLRNVEGVVEVHELVWQLAGSRIIATAHIKCEDPTSY MEVAKTIKDVFNHGIHATTIQPEFASVGSKSSVWPCRLACTQ CALRQCCGTLFQAPSGKDAKTPAVSLSCLENNLEKKPRRTK AENIPA\VVIEIKN\IPNK\QFESSL
6834	78	1151	AGQRRPAPINRLMLPTPSVSRKAPAHIPINR*GA*R*RGGLP LCSSASAYGNH*RLTPWSPGGS*RM*SSKAPVQAREVLVAGP CSKLVLSGARGIVGTTVQVLVBAQQPILLFTGVNGLNLRAGEE SRAL*LIEEVTVQVDAHLGNVAVGCAQCLSQGQVGSALAEALLE AAAARVDCREVLTVSGDQQAQEVSVRL*VRDVCVERAGCVPFGQ AHGRPGLALAKORGOTNEVEEQVQVQVQVQLVLSAHECHRLVAG QQDGEDQAAATRLIQAQAHSAVAGRRQQAACRPHQAGVSCHE LQQVVGDAL*ARE*APQITVILLLEDVAQLETGKKA*DLVVDVE QLLRQL
6835	1	834	GTPAADR\EALELILKDISRTFFNLCIPQGGFYHMLHSILG AYTCYRPDVGVQGMSPFAAVLILMLDTADAFIAPSHLLNKPCQ MAFFRVDEGLMLTYPAAEVVFEEENLPLFAHFKKNNLTPOIYL IDWITPLYSKSLPLDLACRIWVDFCRDGERPLPRTALQILKLPB DILTQWDFIEMAQFLTRLPEDLPABELEFASIIATIQMSRNKKA QVLTALQKDSREMRGKSVPTLRLQREPALGTNQSMPRPLCC PRLTPGQPRRTDAL
6836	1	850	MSCGRPPPDVDMITLKV\DNLTFTSFDLSLREVPFKYGRVGDV YIPREPTYKAPRGFAFVRPHDRRDAQDAEAMDGAKLDGRELV QVARYGRDLPRSRQGRRAAGPAA/RYGRRSRYGRRSRSPR RHRSESRGPGCSRSRSRSGRYGRSEFYERSPYRSRYSRS PYRSRYRESRYGGSYSSGYNSRYSRYSSRSRSHSKSGSSTS SRASSTSKSSARRSKSSSVSRSRSRSSSMTRSPPRVSKRKS KSRSRKRPPKSPREBGMSS
6837	1	1369	TGGAAGVAGNPGSDYPPGGTAP/GOPKTRRP\SGTSSSGSKASGP PNPPAQGGDTSLSPNTTLESTSGNDGKPVSGGGGRGRRRKRS GHVSPTGTFDKYSAAPDGGGAPGVSPGQQASGAAGGSSAGBT RGAPTPHKKALTSPSWKGKAGLLLDQPDIGSLDGGAKSDSSS PNVGEFASDEVSTSYANEDEVSSSDNPQALVKASRPLVTGSP KLPRGVGAGREBGPAPPPALGLGIMSNSTSTPDSTGGGGGPGH PGTPGLEQVVRTPTSSSGAPPDEIHPIELQAIQLRQQFSIS EDQPLGLKGGKGRCAVGASGAQNGDSELGSCCEAVKSAMSTI DLDSLMABESAAWYMPADKALVDSADDDKTLAPWEKAPQNPNS KEAHDLPANKASASQPGSHIQCLSVHCTDDVGDAAKASVPTWR SLRSDISNRPGTFVAALT
6838	16	499	LTDTPPKTHMHHHSIDYKATLCWALGFYPMBITLWQQDRR DQTRDMELVETRPAGDGTQKNAAVVPSGGE/Q/RYMCHVQHE GLPEPILTEWQSSOPTIPVIGIVAGLVLGAVVTGAVVSVMC RKKNSDRVSYSEAASSDEAQQSDVSLTACKV
6839	1	1195	AAPAGGGPDPEALSAPPGRHLSGLSNPQVRLDALLSEPIPIHG RGNFPPLSVQPRQIRAGGPOHFGGAG\IHVHRVLEGSAASEVL HPESGLGYKDLDFVRMDLRSEASFQITKAVVLACLLDPLPAGV SRAKITPLTLKEAYVQKLVKCTSDRNSLISLNSKSGKNVELK FVDSVRQFBSIDSFQIILDSLLFGQCSTPMSEAFHPTVTG ESLYGDFTEALEHLRHRVIATRSPEIRGGGLLYCHLLVRGFR PRPSTDVRAIQRYMCSRFFIDFPDLVEQRKTLERYLEAHFGGAD AARRYACLVTLERVVNESTVCLMNHERRQTLDLIAALALQALAE QCFATAALAWRPGTGGVVPATVNYVTVPQPLAHAYPTWLP CN
6840	4254	2061	ELQGDPSVDPVKSMANCENSICVGFKRDYVILRVDGKGSYKRL PPTGRQLEPLVAPLADGRVAVGQDDLTVVINEEGICTQKCALNW

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			<p>TDIPVAMEHQPPYIIAVLPYVEIRTFEPRLVQSIETQRPPI TSGGSNIIYVASHFVWRLIPVPMATQIQQLQDRQFLALQLA EMDDSDSEKQQQIHHIKNLYAPNLPQQRPFDSMQVFAKIGTD PTHVMGLYPDLLEPTDYRKQLQYFNPPLVLSGAELEKAHLALIDY LTKRQSLVKRLNDSHQSSSTPLMEGTPTIKSKRLQIITDTT LLKCYLHTHVALVAPILLLENNECHLESEHVLKKAHYSELYI LYEKGLHREKALQVLVDQSKKANSPLKGRERTVQVILHGLTENL HLIFSYSVWVLRDFPEDGLKIPTEDLPEVESLPDRVIGFLIEN FKGLAIPYLEHIHVWEETGSRPHNCLIQLYCEKVOGLMKEYLL SFPAGKTPVPAGEEREGELGEYEQKILMPLLEISSTYDPRGLICDP PFDGLLEERALLGRHGKHEQALFTYVHLLKDTMRARRYCHKHY DRNKDGNKDVYLSLLEMYLSPPSIHCIGPIKLELLEPEANLQAA LQVLELHESKLDYTKALNLLPANTQINDIRIPLSKVLEENAKKK RPNQVLEKLLHAEFLV\QERRILHQVCKIITEBKVCNVCKKK IGNSAFARYPNCVVVHYPCS\KEVNPADT</p>
6841	1	3206	<p>TPSTGTGKSNTPSSVPSAAVTPLEHSLQPLGDIYGVGSEKSKRA REKRSRNNEVQVQTQEMRNVSIGMGSSDSDVDQDIIDSTPELD MCPETRLDRTGSSPTQGVNKAFCINTDSLYHELSTAGSEVIGD VDEGADILCEPFGMGREVENLLENSQLLETENALNVVKNDLIA EVDQLSGEQEVLRGHLEAAQAKVLEENRIKELSEELKRVKSEA IARREPKERANDVSSYLCTESDKIPMAQRREPTRVEMARVMB RNQYKERLMELEQAVRWTEMLRASREHPSVQEKKSTIWFPSR LFSSSSSPFPKRPYPSPGNIIHYKSPITAGFSQRNNDAMCPI SRPLEFPDDDDCTSSARREQKREYQVREHVRNDGRLQACGN SLPAKYQLSPNGQEDTRMKNVPPVYCRPLVEKDPMTKLNCA AGVNLSGWRPNEDDAGNGVKGPAQRDPLTCDEGDCGEPKSAHS PEKKKAKRLPEMDATSSRVNLTSTLTTSKVVIIDANQPGTVVD QFTVCNAHVLCISSIPAASDSDDYPPGEMFLDSVNPEDPGADGV LAGITLVGCATRCNVPRSNCSRGDTFVLDROGGEVATLANGKV NPSQSTEATEATEVDPGPGSEPTATLRPGPLTEHVFTDPAPT PSSGPQPGSENGPEPDSSSTRPEPEPSGDPAGSSAAPTMMWLG AQNGWLYVHSAVARNKKCLHSIKLSDSVLSLVHVKGRVVALAD GTLAIFHREGDCQNDLSNYHLMDLGHPHSIRCMVVYDRVWCG YKNEVHVIQPKTMQIEKSPDAHPRRESQVRQLAWIGDGVWVIR LDSTLRLYHARTHQLQDQVDLEPYVSRMLGTQKLGFSFVRITAL LVAGSRLWVUTGNGVVISIPLTSTVVLHGGQ\LLG\LRANKTSP TSGEQ\ARPGG\IHHVYG\DDSSDRAARSFIPYCSMAQALCPH GHRDAVKFFVSVPCNVLATLNGSVLDSPAEGFGPAAPASEVEGQ KLNRVVLVSGGEGYIDFRIGDGRDDETEGAGDMSQVQPVLSKA ERSHLIWQVSYTTP</p>
6842	3	926	<p>RCQQLSATILTDHQVLERTPLCAILKQKAPQYRIRAKLSYKP RRLPQSVKLCPCCHLLQEVPHBGDLDIIFQDQATKTPDVKLQ TSLYDSKIWTIKQKGRKVAHVFNKNGILPSTECILLIEGGT LSEICKLNKFNVSIVRSGHEDLELDDLSAPFLIQGTVHHYGC KQWST*RSIQNLNLSLVNKTSHIPSSVABALGIVPLQVVFVMTFT LDDGTGVLEAYLMDSDKFPQIPASEVLMDDDLQKSVDMIMDMPC PFGIKIDAYPWLBCFIKSYNVNNGTNGQICYQIFDTTVARDVI</p>
6843	2	851	<p>NHRKVLGAKRYECNECGESFAYTSSLIKHRRHTGERPYECSE CGRSFARNSSLIKHLRVHTGERPYECVCGKSPRRSSSLIQHQR VHTREKPYECSECGKSPSLRNLNHRVHTGERRRCGCGKSEF SEKSSLIHLRVHTGERPYECSDCGKSFARNSSLIKHLRVHTGE RPFYECIDCGKSPRESSFRHRQVHTGMRPYK*SKFWKFCPGF LLQGORVHTGSRCYRCDEWGIFFS*NASFFT*ESAPTEEVVPE CNECEKAPSPLSLVTTTFT</p>
6844	244	642	<p>EQQLAGFLEKTKTSMGLTTRKTRORVKSTAYLSPQELBDVFPY QYDVKSEIYSEFIVLWEIATGDIIPQGCNSEKIRKLVAVKROQR</p>

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6845	3	1519	<p>PLGEDCPSELREITDECRANDPSVRPSVDHILKKISTFSK*CIK I</p> <p>VAVRDECYNRHVPMDQLMLLFLMCHPETARARLEYRITLID GALENAQNLGYQGARFANRSADSGLEVCPEDYGVQEVHNGAV GLAFELYHTTQDLQFRRAGQNDVVRVAVRPFVCHVENSPPRE KYHLRGVMSFDEYHSGVENSVTIVLVONSIRFAAALAQDLGLP IPSNLAVADKIKVFPDVEQNPHPEFDGYRGEVVEQADVVLIG YPVPFSLSPDVRRLKLEIYEAVTSPOGPMTWSMFAVGWMLKD AVRARGLLDRSFANMAEPFKVWTENAGSGAVNPLKMGGFLOA VVGCTGFRVTRAGVTDFPCLSGISRVSVSGIFPQGNLNFSE SEDSVTVEVTARAGPWAPHLAEKLWPSQSELSTLLPGHKVSPRS AGRIQMSFPKLPSSSSSEFPGRTPSDVRDPLQSPHVTILGSSSP TESLTVDPASH*SGTGASBTSGLPSPNLPHPLIOTILLACHPS PAARLSCKVHAANPEFKAPCL</p>
6846	213	1258	<p>LYFLKTKR*LNRLARHP*YENRKLTKLNTIMEQYTRTRESARG IIPTKTRQSAVALSQWITENKFAEVGVKAKHLIGAGHSSEFKP MTQNEQREVISKFRITGKINLLIATTVAEBOLDIKECNTIVIRYGL VTBELAMVQARGRARADESTYVLVAHSGSGVIKHEFTVNDFREEM MYKAIHCWBMKPEEYAHKILBLQMSIMKKMKTKRNLAHYK NNPSLITPLCNCVSLACSGEDIHVIEKMHVMTPEFKELYIV RENKTLQKICADYQINGRIICRCCQANGTMVHEGLDLPCLKTR HFVVVFNNSTKQYKQVLELPITFPMLDYSECLFSDER</p>
6847	1450	348	<p>SMCWNSDRLEMPYLDLALILYPPSYVPTGHLSDSLSKRYCLT WFDALNGVL*RAEATQPHCVNAGDRMRKFRQKYNNKLAQTLRQQ PFAYGTLTVERSLDTREHCLNRYNFPDPYSKVQRENGVALRCF PGVVRSLDALGWEERQALALVKGILLAGNVFWGAKAVSAVLESDF YCFEERARKLQERPLVDSYSEMLQRLKOPPHKCALIPADNSG IDIILGVFPFVRELLEGTVEVLACNSGPALEDVTHSESLIVAE RIAGMDPVVHSLRERILLVQGTSSSPCLDLSRLDKGLAALVR ERGADLVVIEGMGRAVHTNYHAALRCESLELAVTKNWLAEKLG GRLEFSVIPKTEVPAK</p>
6848	19	16	<p>AMWNSLDGIRNTIVLSNPKKRNITLSLAWLKSLSQSDILHDAEND LKVIILISAGCFVFSSGHDLKELTEQGRDYHAEVPTCSKVMMH IRNHPVPIAMVNGLATAAGCQLVASCDLAVASDRSSFATPGVN VGLFCSTPGVALARAVPREVALEMPTGEPISAQEFALLHGLLWK VVFARLQESTMIRKIASLSRPVVSIGKATFYKDLQDLGTA YYLTSQAMVDNLALRDGQEGITAFLOKRRKPVWSHEFPV*VEH</p>
6849	70	821	<p>SLGVDSGLSGSPAPRPQDTSP*PVGNNATQOEDLYHQSIEC VCVLPASVPDFKEFYSESNIHHEGLECLRLINEIADFDILLSK PKFSGVVKIRTIIGSTYMAATGLNATSGQDAQDAERSCSHLGTM VEFAVALGSKLDVINKHSFNNPRLRVGLNHGFPVAGVIGAKPO YDINGHTVNVASRMESTGVLGKIQVTEBTAMALQSLGYTCYSRG VIRVEGEGQLCTYFLNTDLTRTGPPSATLG</p>
6850	2	1235	<p>ARGLNHEWTFBKLRQHISRNAQDKQLHLFMLSQVDPDAVFDLTD LDVLKLELIPRAKIPAKISQMTNLQELHLCHCPARVEQTAFSPV RDHLRCLHVKFTDVAEIPAWVYLLKMLRELYLIGNLSENENMI GLSLRRLRHLKILHVKSNTKVPNSITOVAPHLTKLVIHNDGT KLLVLNSLKKMMNVAKELQNCLEKRI PHAIPSLSNLQRLDLNS NNIRTIEEIIISPHLKRLLCLKLMHNKIVTIIPPSITHVKNLSL YPSNNKLSLFPVAFSLQELRCLDVSNNYSIMPIEIGLLQBLQ ELHITGNKVDILPKQLPKCIKLRTNLGQNCITSLPERVGQLSQ LTQLELKGNCIDRLPAQLGQCRLKKSGLVVEDHLFDLPLRVK EALNQDINIPFANGI</p>
6851	1765	660	<p>VSAQVSAREGENCLGNLADSSQBSYKSLSEARDCYPPSLITLD LRDLFQVQEGPILLSCPKACTDLSMGRAREVGWMAAGLMIGAGA CTCVYKLTIGRDDSEKLEEEKEEWDQDLDEKEPDIWFDPBT</p>

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			MARPWTBDGDWTEPGAGGGTDRPSGGGKANRAHP IKORPPFPE RENTWSAQCRNGSCVLDLSKCLFIQGLLFAEPKADAGFPFSOD INSHLASLSMARNTSPPTDPTVRALCAPDNLNASIESQGGIKM YINEVCRETVERCONSPLQAGLMLLTSMVINNMILAKSASDLK PPLISEGSGCAKVVQLKPLMGLSEKPVLAGELVGAQMLFSPMSL VIRNGRRI LLETAP
6852	1	407	RTRGERTYANPIKNDGKNI FYAARTPATLFAVMFAMYIISGLT GPTGLNSIAVLNLMGLALIFLCTWAVYKSGRPRBIGTVIDQ IARTLMEQVLKPLGDNLMENIRQSVINIKAGLTDQVSHARL RTD
6853	3	469	GDSCAVCTELYKPNLVRILTCHIVHKTCVDPNLLRHRTCPMC KCDILKALGIEVDVEDGVSGLQVPVSNIEIPNSASSHREDNRSET ASSGYASVQGTTEPFLREHVQSTNESLQLVNHEANSVAVDVIPH VDNPTFREDTFPQETAVRKIES
6854	1148	585	HRSYIGTFDPGELCVCAIYQNLQNSASYFLNRKLVYEPSTOAK PVKNTFLRMWYSHHIYQDLRKKILDOVGERLDVTGFCMTGKPG IICVEGFKHCEBFWHTIRYPNWKHISCKHARSVETECNGEDLR LFHSFERILLERAGDYGLRNDYEMNLGQFLFLKHKHSEHVFOI LFGIESKESDS
6855	1913	1148	GRVGGVRGRI CSPLSGAN EY IASTDTLKTREVL LFTDQTDLLAK REPTSLFQDSETRGESGLVLEGDEIHQIFPDLDKILALASRP YIPBGCIQENAAEMVVALDALHREGIVCRDLNPNILLNDRGHI QLTYFSRWSEVEDSCSDAIKRMVCAPEVGAITESTACDNWSL GAVLELLTGKTLVECHPAGINTETTLAMPFWVSEERSLIQQL LQFNPLERLGAGVAGVEDIKSHDFTFPVDWAEMLR
6856	1617	997	VTQLYVSDASTKDSLEKIDRPLFKDFFQQLDLSKALAVKQOR TVYRLTLVKANNVDELQAYALVSLGNFDFLEVKEVTCYGESSA SSLTMAHVPMHEEVQPVRELVDLIPBYBIACHEHNSCLLIAH RKPKIGGHWITWINNRFQKLIQBYEDSGGSKTFSADYMARPT HWALPGASERGFDPKDTREHQRNKS KALSGC
6857	1	617	KQPEATAMVCVSHPNCRQNHKPSHSAAYTCGSPTPASAPNH KLNAMEQKTLPSATEDAKKEGLEAQISRLAKLIGRLSKALNP DLQQLSDEEDGTNMLQLVRQEMAVCPQLSEPLDSLRQYLRT TGVNRCPHITAVRLSDGFTFVIYEFWBTREAWKRLQSPLCAP KHVEVDTLSPFALSRLVPAAMCTVGRD
6858	2	669	RSRGIXDFENDPPLSSCGI PQSRIAGDALIDSGIRISSVFASPA LRCVQTARLILEELKLEKKIKIRVEPGIFENTEWEAGETPTLM SLEELKEANFMTDIDYRPAFPLSALMPAESYQETMDRCTASMVQ IVWTCQDITGVILIVSHGSLDSCTRPLGLPPECCGDFALVR KIPSLGMCFCENKEBKWBLVNPFFVKTLTGQANAAPNWRNWS GN
6859	1	1150	GETMFKKAKTRAKKPKRKS DSSGGYNLSDI IQSPSS TGLLKSQ KINSVESLPHLLTSDSEGSYAGVGS PRDLQSPDFTTGFHSDKIE AKVICYVNGTSFVYSREDLKPEKSPILKISAPQIPSNRIDTT SSASWVAGSPSPVSPVVDLRTIMEIESROKOGATPKSHLGKT VSHGVKLSQQRKMIALTITKNNSGMNSMETVLFTPSKAPKPVN ANASSLHVSSEKSPRDLLEKKSVTSHSGDHVKVSPKUIEN SQAPKIVRCSTHGTGPEGNHISDPLLDSPNPHLSSSVTAPSM VAPVTFASIVEELQEAALIRSRKPLALIQIEBHAIQDLLVF YRAGNPESFVIVERTPOGFLAVPMWKEGC
6860	1889	1515	DKDKERQKRGIFPKVATNIMRAWLFOHLTHYPFSEBQKQLAQ DTGLTILQVNNWFINARRIIVQPMIDQSNRAVSGGAAYSPEGQP MGSPVLDGQQHMGIRPAGPMGGMGMGMDGQWHYM
6861	1889	1515	DKDKERQKRGIFPKVATNIMRAWLFOHLTHYPFSEBQKQLAQ DTGLTILQVNNWFINARRIIVQPMIDQSNRAVSGGAAYSPEGQP

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6862	2	471	<p>MGSEVLDGQQHMGIRPAGPMGSGMGMEMDQGMHYM</p> <p>REIDREPHNKLKLEDKLEKQKBPVNGEDGSDGVDTQNSBENA</p> <p>DEEDPLGPNFYDRTSFFDNLSODNRERRPTWAKERRLNAART</p> <p>PGIPLRPNRGRGGYRGRGGLGFRGGRGRGGGTFTAPRGFRG</p> <p>GFRGGRGGREFADPEYRETTAFGP</p>
6863	2216	487	<p>PQEPALKESEPSQASNTIPLPLPQFNTCKDNOPCKQVCSTVGGG</p> <p>AI CECFPGYADADGVSCEDQDECLMGADCSRQFCVNTLGSF</p> <p>YCVNHTVLCADGYILNAHRKCVDIIECVTDLTCSRGRHCVNTL</p> <p>GSFHCYKALTCEPGYALDGCEDVDECAMGTHTCQPGFLQNT</p> <p>EGSFYQARQRCMDGFLQDPBGNCVDINECTSLSEPCRPGPSI</p> <p>NTVGSYTCORNFILCARGYHSDGTRCVDVNECETGVHRCGEG</p> <p>QVCHNLPGSYRCDCEAGFQORDAFGRGCIDVNECNASPGRLCQHT</p> <p>CHNTLGSYRCSASGFLAADGERCEOVNECEAQRCSQECANTY</p> <p>GSYQCYCRGGYQLAEDGHTCTDIDECAQGAGILCTFRCLNVEGS</p> <p>YQCACPEGGYTWANGRSCKOVDECALGTHNCSEARTCHNIQGS</p> <p>FRCLRFECFPNYVQVSKTCERTTCHDFLEQNSPARITHYQLN</p> <p>PQTGLLVPAHIFRIGFAPAFPTGDTIALALIKGNEEGYFGTRRLN</p> <p>AYTGVVYIQRAVLEPRDFALDVENMLWRQGSVTTFLARMHIFPT</p> <p>TFAL</p>
6864	2	2933	<p>LADSSPSNLQIITIKELLSMHQPDPAITKREDYLPVDSRSSGG</p> <p>FVGLRNGGATCYMNAVQQLYMQPLPESLLSVDDTDNPDDSV</p> <p>FYQVQSLFGLHMEKILQYTVPENFWKIFPMNFKRLVYRBQDAY</p> <p>EFFTSLLIDQMDYLLKMGKDQIFKNTFGQIYSDQKICDOPERY</p> <p>ERRERAFMALNLGVTSCQSLAISLDQFVRGEVLEGENAYYCEKCK</p> <p>EKRITVKTICIKSLPSVLVIHLMRFGPDWESGRSISKYDQIRFP</p> <p>WMLNMEPYTVSGMARQDSSSEVGENGRSVDQGGGSGPRKKVALT</p> <p>RNYRLVGVIHSGQAHAGHYYSPIEDRRGCGKWKYKFNDTVIR</p> <p>RFDLNDETLEYECFPGGYRPRKYVDQNTNPTDVRRYWNAHMLPY</p> <p>QRVSDQNSFVLKKSRSVSVVRQEARDSLQAPSSPREISQSSPR</p> <p>PHRPNDRLSILTKLVKKEKKGLFVEKMPARIYQNVRENLP</p> <p>MGNRDVSSDYFSFVLSLASLWATLKHPTTPCHAKVSLQALAIQ</p> <p>FLPQTYLTRTKKLRLVDTEEWIATIRALLSKSFOACQMLVEYFIS</p> <p>SEGRELIKIFLLECNVREVRVAVATILEKTLDSALPYQDKLSL</p> <p>HQLLEVLIALLDKDVPEKCKCAQYFFLFTFVQKQIRAGDLL</p> <p>LRHSALRHMSIFLLCASRONNOIRWSSAQAREFCNLENTVALL</p> <p>VLESVDSSQRNVAPGIPQRPPISIAPSPLPLHEVEALLPM</p> <p>SEGRPYLLEVMFALRELTSLLALIBMVVYCCFCNEHFSFTMLH</p> <p>PIKQOLETAPPHELWYTFQLLHSLVIEDPIQVERVKPVFTEN</p> <p>GLLALMHSHNVDSRCYQCVKFLVTLAQKCPAAKEYPKENSHH</p> <p>WSNAVQWLQKMSHYWTLQSNVSNETSIGKTFTTISAQDTLA</p> <p>YATALLWKEQSGSSNGSSSPANENGDNHLQGSSESFMIGRL</p> <p>RSIDLDDVP</p>
6865	1820	1242	<p>DPERWKHLKSVTPPGSSVETFPVQVVRLOSPQSGSMMPSCNRS</p> <p>CSCSRGPPSVEDGKNGVRSYLHLFVBYAVPPKLEGIQEGEFLV</p> <p>LDQRAADYNQALGTCRLAGTALCAAGVLLAI CLFWAMIGWLSQ</p> <p>DTKAEPLDPEADSHVVFGEDEPEQQLSPIFNASGQSNFSPAS</p> <p>PFGQSSVQTIQPKRDS</p>
6866	1571	495	<p>DCPRFPTLYGLRATCMRDLDWAWINAVSAFALEQDLFVNICKP</p> <p>IIEGMERAGSVALRELVKKEKDRFPFGVDYIVISDNLNISQRKP</p> <p>AITVGTGNSYFMVEVKCRDQDPHSGTFGGILHEPMADLVALLG</p> <p>SLVDSSGHLLVPGIYDEVVPLTBEHINTYKALHLDLEHYRNSSR</p> <p>VEKFLFDTKKEILMHLWRYPSLSIHQIEGAFDEPGTKTVIPGRV</p> <p>IGKPSIRLVPHMNVSAVEKQVTRHELDVFSERNSSNEMVVSMTL</p> <p>GLHPNLANIDDTQYLAARKAIRTVFGTEPDHIDGSTITIAKMF</p> <p>QRIVHESVVLIPLGAVDDGHSQNEKINENNYIEGTEKLPAAFFL</p> <p>EMAQLH</p>

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6867	2833	1704	GTRIMSOPRQKRLAGFVRQKMLLDYSVVMGRCPVQESRSPORSF IQSABSSPTAGKKLPVPPSESEBQBAWVALLGRI FWDPLGK YWSDLVSKIKIMLSKIKLPYPMRLTLTLELWGVAVPKILOAP KPYVDHQGLWIDLEMSYNGSFLMTLETIONLTILGKEPLVEALK VGHIGREGCRPRAFCLADSDERSSSAGSSEEDDAPEPSGGDKOL LPGAEYVGGHRTSKIMRFPVDKITESKYFQKATETETPIKCKIE VSNTPILLTVEVQRCRGLAVNIPPPPTDEVWYGFREKPHVELK ARPKLGEREVTLVHVTDWIKKLEBQEFQKVFVMPNMDVYITIM BSAMDPRSTSCLLKDPFVEAADQF
6868	1	346	RPTRPPTPRKIKYLILPYISDMPVQDLCEDFYELFKTDKGF KATFESQSMVNRQILNLTALRQKSPQLVQIPCVIVERSG GSQGRIVHLNSFTQTVNCRKPFSEW
6869	3	1619	MYMEKMDKRALISFWESVEHLKMANENEIPQLVGEIYQNFV KHSISVERKLYKEIQQLVGNKGIEVYKIQEDVYETLKDRYYPS FIVSDLYEKLIIKEBBSASOMISNDEMGPRDEAGERAVDDGT NQINBQASPAVNKLRLNBLKLYKQALASIQNAPKPKKIVSK LKDEIILIKERTDLQHMARTDWCENLGMKASITSGEVTRE NGEQLPCYFVWVSLQEVGGVETKNTVPERLSEPHNLHRLSEC VPSLKQDOLPSLSKLPFKSIDHTMEKPEQLKFLQNLSDER LQSERALYAPLSFSPDYLEKVIDVQKKNSPSLSPLERLPRDF SHQRETERDSLDSDYDGDVDGREDALAEPCFNLIGETIFELRGM FRWVRRTLLALVQVTEGRTINKQIRDTVSWIFSBQMLVYIINIP RDAPWPNRGLAPPTTIRSEKOSQETKQRAQKLENTIDMLQSL VQONARHGIIKIFNALQETRANKHLLVALMBLLLIELCPRLV HLDQLKAGQV
6870	1	1566	MAAVVAATRWQLLVLSAAGMAGAPQPPNILLIIMDDMGWG DLGVYGEPSRFTPNLDRMAABGLLPNFPYSANPLCSPSRAALT GRLPYRNGPYTINAHARNAYTPOEIVGGIPDSBQLPELLKQAG YVSKIVGKHLGHRPQPHPLKGFDEWFGSPNCHFGPYDNKARP NIEPVYRDWEMVGRYEEPPINLKTGEANLTQIYLQALDFIKRO ARHHPFVLYWAVDATHAPVYASKPLGTSQRGRYGDAREIDDS IGKILELQDLHVDNTPVFTSDNGAALISAFEGGSSNGPFLC GRQTFPEGCMREPALANWPGHVTAGQVSHLGSINDLFTTSLAL AGLTPPSDRAIDGILNLLPTLQGRADRPIFYRGTDLMAATLG QHKAFMTWINSWENPQGI DPCPGQNVSGVTENLEDTKLPL IPLHGRDPGERPPLSFASAEYQALSRTSVVQHQEALVPAQP QLAVCNWAVMNPAPPCEKLGKCLTPPESIPKECLNSH
6871	209	1126	RMSIANPPIFLRRSEENSSKPFVETKQSQTTSIASRDFLQNLCLAS QEVLIQIAQSGRSKCLKCGSSRMFYCTTCYFVENVPTRQIPLV KLPLKIDI LKHPNETDGKSTAIHAKLLAPEFVNITYTPCIPEYE EKDHEVALIFPGPQSISIKDISPHLQKRIQNNVRGENDDPKPS PKRRTEREQPCDLNDSCKGTTLKCIIPIDSTWQTNKIPTDE RLQGLLQVELKTRCTPWRHQKGPOTFLSTIBAIYYPLVDYHT DILKEKYRGQYDNLFFYSFMTQLIKNAKCSGUKSTGKLTH
6872	880	459	FGLIMVVLISLIMKGNVREDLIFNLFKIGLDVRETNGLPGNT KELITEYFVRQKYLEYERIPYTEPABYEFLWGPRAFLETSRMLV LRFLAKLHKQDQSWPPHYLRALARCEWEDTEDRDPDGDASHG PISRPPFR
6873	1929	955	DEQAVLCSKDKTYDLKIADTSNMLLFI PGCKTPDQKKKEDSHCN I IHTBIFGPSNNYWELERRRRLPKLKLKLLMENPYEGPDSQKEK DSNSSKYTTEDLDQIQASEREIMTQLQVINACKIGGYNRILEF DYEMKLLNHVTQLVDSSEWSFGKVPLNTCLQELGPLEPREMIEH CLECYGKKYVDEGEVYFELDADKICRAARMMLQAVKFNLABF QEVWQOSVPEGMVTSLDQLGLALVDRHSRPEIIFLLKVDLPE DNQERFNSLPSLREKWTEDLAPYIQDLGGERQTIGALLTKYSH SSMQNGVYVNSRRPIS

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6874	1	307	DSIADHVNSAANNVEEGTKNIGKAAKYLAALPVAGALIGGMVG GPIGLLAGFVAGIAAALGGVGLPTGGKLIQRKQKMMERLTS SCFDLPSQTDKICS
6875	1688	349	VIGTGERGNSASEKMEIMPNEELGDPPTIHSISLNAEHSIA TLRLRERKEELDMKSGPVVSLWVTISKQNDNKRYBIKRD LRQESVFHYAAIEPDGNLMIVSYKSLTFVQAGQLEENMDRI SEKIKEPLYWQOTEDDLTVTIRLPEDNTKEDIQIQFLPDHINI VLDRHQLFEGKLYSSIDRESSTWIKESNSLEISLKKNEGLTW VELVIGDQKQGLIRDSAQCAIAERLMHLTSEKLNFWPDKKPP CNAQKLEBCDIPFERSSSLCRFDGNTLKTTHVVNLGNSQYLPV IVDPKEMPCFCLREDVDALLNQPHSSKQDMWEHIAITFALGYV QASKRDKKFFACAPNYSYAALCECLRRVPIYRQPAEMSTVLNVR EGRQVGVQVAKQVQVSLSTNDPILQFQATNERLPLVLTNLFIL KVNTE
6876	41	1285	VGEWTLINRHLLRPLCLVTSAPRILEMHPFLSLGTSRTSVTKLS LHTKPRMPCDMPERYQVIFLVNSGSEANLAMILMARAHSNHI DIISFEGAYHGCSPTTGLTINVGIYKMLPGGTGCOPTMCPDVF RGPWCCSHCRDSPVQYTIKCKSCAPDCCOARDQYIEQFEDTLSTS VAKSIAGFPARPIQGVNVVVQYPIGFLKEAPFLVRARGOVCIAN EVQTOFGRLGSHFWGPTHDVLPDVTMANGIGNGFTNAAVITT PELAKSLARCLQHPNTFCGNPMACAIGSAVLEVIKKENLQENSO EVGTYMLKFAKLKDEFEIVGDVVRGKLMIGIEMVDKISCRPL PREEVNQIHEDCKHMGILLVGRGSI FSGTFRAPSMCITXPEVDF AVEVPRSALTQHMERRAK
6877	1	778	GTSPPARAYAPPTERRKPYQVNSITQGGGPRINLDRKLTCP QAKLPTVPSEALAIATVATEWDSQODTIKYVTHMLTLCNTSLON PTQRNKDQLIRAAVKPLDITICRVSEPETLVELQRNEWDPYI EMAKRYGVEISSSTSIMGPSIPARTREVLVSHLASYNWALQG IEFVAAQLKSMVLITGLIDRLTVEOAVLLSHLEKEYIQKNGN IHWADHYLQKLRARTAGTLPIHLCSBSTTVKHLLE
6878	931	263	QTLQGDVFNRAEMIDPNTIRIKNVTSADAGYRCVAPSAPSEQON LEEDTVTLEVLVAPAVPSCFVPSSALSGTVVELRCQDKBGNPAP EYTWFKDGIRLLENPRLSQSTNSSYTNTKTGTLPNTVSKLD TGEYBCERNSVGYRRCPGKRMQVDDLNISGILAAVVVVALVIS VCGLGVCYARLGYFSKETSPOKSNSSSKATMSNDPKHTKSP II
6879	3	845	IRVIGESDIMEPLSESDENYNGVSDVELRVLPDGTIVTVRVK KNTSTDQVYQAAIAKVCMDSTTVNYPALFVVISHSFVRKLAPNE PFHKLVIQNYTSAVPGTCLTIKKNLPTTBBBILINDNDLAVTYP FHQAVDDVKEGYIKAEKSYQLQKLYEQRMVNTLNMLETCSGY NEIIFPHCACDSRRKGHVIATISITHPKLHACTEGQLENQVIA FEWDEMQRNDTDEGMAFCPEYARGKKPRNVKIPTPTPTMRE CFERYFCELKWKKEEY
6880	2110	1437	RRDNCTAKEWTFPRAKWNTTARVPISHIRLGMGHVLIIVQCFISS MANIYNRKILKEGNQLTESIFIQNSKLYFFGILFNGLTGLQRS NEDQIKWCGFFYGHRAFSVALIFVTAFCGLSVAFILKFLDMPH VMAQVITVITTVSVLVFDPSPSLEPFLBAPSVLISIPITNAS KPQVPEYAPRQERIRDLSGNLWERSSGDGHELERLTTPKESDESD EDTF
6881	2638	2244	NDSKWEIDHIVITGALKMFFRELPEPLMTFNFNDPVNAYKQEP QRVAADVLDLIRQLPKPNQDTMQILFRHLRRVIEGKKNRMYSQ LAIVFGPTLLKPEKETGNIAVHTVYQNIQVILLLELSSIFGR
6882	1	850	GIPBAQLNIYFVKSCKGVVPSAEACTAMGLRSGNLRDRFWLVIN QEGNMVTARQFRLVLISLTCGDITLFAAYTKDLLPIKTPT TNAVHKCRVHGLEIEGRDCGEATAQWITSFLRSOPYRLVHPEPH MRPRRPHQIADLFRPKDQIAYSDTSPFLILSEASLADLNSRLEK

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			KVKATNPRPNIVISGCDVYAKDSNDRLIGDVLKRVMACSECI LTTVDPTGVMSRRKPLETLKSYRQCDPSERKLYGKSPLEGGYF VLENPGTIKVGDPVYLLGQ
6883	2794	2256	NSKLKLNQNLKLFITLTYYQLSLHGWCPGTHLQKRGAPVVTQNR ALQLLYDLRYLNIIVLTARGDEVKSGRSKPSRIEKVTDHLRALI DPFDLDVFTPHLANSNLRLVORTSVLFGVLTGTENQLAPRSSTF NSQEPHNLPLASSQIRPGLPLSMTSTREAKSTRNIETKAQYD ANC
6884	2	99	EFERVTAAVAKPKRTSEPRAAQRFCERKPPFL
6885	297	1554	STGQFVHVTDLHLDPTYHI TODETKVCASSKGANASNPQPGDV LCDSPYQLILSAFDFTKSGQRASPMIWTGDSPPHVPVPELSTD TVINVTMTTTTQSLFPHLQVFPALGNHDYHPCQQLSVVTSKV YNAVANLWKPWLDDEBAISTLRKGPYSQKVTTNPNLRIISLNTN LYYQPNIMTLKRTDPANQPEWLESTLNNSQONKEKVIYIAHVVP GYLPSSQNTTAMREYTHRLDIDFQKYSQVVIAGQPYGHTHDSI MVLSDKKGSPVBSLFPVAVPTPVKSVLKQTNPNQIRLFOYDPR DYKLLDMQLYYLNLTEANLEGRSINLKLEYILTYDIDELQPS LYGLAKQFTLLDSKQPIKTYNYFFVS YDGSVTCDKTCAPQICA INNLDNISYADCLKQLYIKHNY
6886	2	1341	QCGGIPGRREGSSRPLEEGTGSSPACVGAAPGSEDAFYPTTRAK QARVSQRLKKAARTVSISEGPDTLGDGMRRERRETLALAPSPKP LEKEACKWRPFRSASATSLTSLHCVDVVKGLLDPKRRGHSI GGAPEQRYQIIPVCVAARLEPTRAQDVLDAHLSEVNAVRFPGPNS LLATGGADRLIHLNWNVGSRLANQTLGAGGSITSVDPDPSGY QVLAATYNQAQLWKGGAQSKETLSGHKDKVTAARFELTRHQA VTGSRDETUKMDLGRAYCSRTINVLSCNDVVCDDHIIISGHN DQKIRPWSRGPRCTQVIPPQGRVTSLSLSHDQLHLSCSRDNT LRVIDLRVSNIRQVPRADGPKGSDNTKAVFS PDRSYALAGSCD GALYIWDVDTGKLESRLQGFPCAANAVAWCYSGSHMVSVDQGR KVVLMQ
6887	1047	116	WTARPSQKPPWRAGAVFGDPLSTGCSQAQLGSCCPGPGWGPQHG GQQRAGPTLPGRERGPGQSGPLAAQPTPTSKVANKRAVLTG TYRSQSPEPAGFPFGGTGWPEPAVCLCVAVGPQLRSPGLVY NAGSEHCYDIYRLYHSCADPTGCGTGPDARAWDYQACTEINLT FASNNVTDMFPDLPPTDELRQRYCLDTGWNVPRPDWLLTSFPGG DLRAASHTIFSNCHLDPWAGGGIRRNLSASVIAVTIOGGAHLID LRASHPEDPASVVEARKLEATTIGENVKARREQQPALRGGPRL SL
6888	1	992	FVAYVKKRIPHIVVTHCLNPHALVIRTLPTCLRDALFTVVRVI NFIKGRAPNRLPQAFPEIGIEYSVLLPHEMRNLRSQILTH IFEMYREINQFLHKSNNLVDFENKRFKTHLAYLADLFKHLNE LSASMQRTCANTVSAREKLSAFVRKFFFWQKRIEKNFTNFPFL EEIIVSDNEGIFIAARITLHLQQLSNFFHGYPSIGDLNRASMI LDPPFLPHIDFVDSYLMKNDLAEHLRASQILMEFETMKLEDPWC AQPTAFENLAKTALEILMPFATTYLCRLGFSITFTFQKVPRAA LILSDDIRVAISKKVPSFLGHH
6889	1	1534	LTLNQIKRRERQDNSES PNGHTSPLVSQNNBQGSTLRDLITTT AGLRVGSTDAGIAPVYSMAAPSCKSGRTMKNILDDI LASVV ENKI PPSKTSKINVKPBLKRPERSIISAVDENNKLYSDIPHSW ICEKHILMLKDYKNSSEWLFKECWQGGQPAVVSQVHKMNISL WKAESI LDFGDHQADLLNCKDSIISNANVKEFWDFEVS KRO KNSGRTVVLKLDWPSGEDFKTMMPARYEDLLKSLPLPEYQNP EGKFNLAHLPGFVVRPDLGPRLCSAYGVVAADHDICTNLHI RVS DVNIIIVYGIARGNGLSEAGLLKRFEREDLDILRRRLK DSSBIPGALWHIYAGKDVOKIRFPLQKLSKBBQGLVLPEDPIR DQSWYVNNKLRQRLLEYGVRTWTTLIQPLGDAIVLPAGALRQVQ

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			NFHSCTQVTEDFVSPHLLVSPHILQRLRLKREINYYDDKLOVK NILEYHVRMVRALKIHEDEVDMEEN
6890	3	667	THACGMWIPLYLHRLVVRHTAETCNSEPOGAKDSLIFGATTCF TGFLGVDTGAGATRWCRLLKQBADPLVCAVGMGSAIFICLIFV AAKSSIVGAYICLPVGETLLFSNWTADILMTVVIPTRRATAV ALQSFTHSLCDACSPYLIGFISDLIQSTDSPLNEFLSLGYA LMLCPVVVLGGMFLATALFFVSDRABABQQVNLAMPFASVK V
6891	1980	1262	LRHQRLSKRLKLRGTTTSTIHLGLAGKQPMQDASNVNQ LILLKQSHLTYMMDNPEVRQAAAYGLGVMAQFGDDYRSLCSB AVPLLVRVTKRAHSEKTKCNVIATENCISAIGKILRPKPCNVND EVLPHMWSWPLHEDKREAIQTLFCLDLIESKHPVVIQPNNSN LPKIIISIIABGKINETINYEKPCAKRLANVVRVQVTSDELNLBC VSQDDDEQORALQELLNFA
6892	3	876	RSVAAAGSGPAGWTDHYCLRLKRRDYSGYLCSLLPARESSSV FALRAFNVRLAQVQDSVSEKTCIGLMRMPQWKTVEDITYCDNPH QPVAIBLWKAVKRHNLTFRMLKIVDEERKNLDDKAYENIKKLE NYAENTQSSILYLTLILQIKULHADHAASHIGKAQCIYVCLKA TPYHSGRRKVVLPMDICMLHGVSQEDFLRNQDENVRDVIYDIA SQAHLEHLEHARSFHKTVPVKAPFAFLQTVSLEDPLKRIQVDFD LPHPSLQKXNLLPLLYLIQSWRKY
6893	1	842	DGERKMSVVERTFSEINKAEQVSLCQRLCSRLAQDLQKRLKG RTVTIKLNVNFEVKTRASTVSSVVSABEIPALAKELLKTEID ADFPPLRLRLMGVRISSPNERDRKQQRSIIGFLQAGNQALS ATECTLEKTKDKFVKPPLMSHKKSFPDKRSERKQSHQDTFKC EAVNKQSFQTSQPFQVLKKNENLEISENSDDCQLLTCVPCR AQCCI SLALNKHVDECLDGPSENFPMFSCSHVSATKVNKKE NVPASSLCRQDYEAH
6894	1742	1463	TTLCPLVPREHQFYETLPAEMRKFTPOYKGSQLEGLPHNRG DVRDRGHGRPWQPSLEPSLPPTLCPPSLSSPSSSWPSAQLHTPS VFNEW
6895	2379	478	VTVVLCGLASPTALLIMRTVLDLIVRLQSTSEDEQQYTSQT TRLLALLYALASHEACKLAILHLINGTIKGDERTARIPQDLAL VRSFGDSVIRQCVYVTSLLQSLCDQDLALILPSSSECSISEL EQLSNBLPNKELMTSICDCLLATLANSB88YNCLLTCVRTMPL AHDYGLPHLSSSLRNSSALHSLLKRVVSTFSKDTGELASSFL EPMRQILNSDTIGCCGDDNGLMEVEGANTSTMSINAAELKQLL QSKRESFENLFLKLEKLVLEHSKDDDNLDLSDSVVGLKQML SGDPLPLSDQOVBVPLSAPESLQNLPMNRATAYVLADVMQDLKS MWPTFPQAEIDTDLVLKVDLIELSEKCCSDFDLHSELEERSPL SEPSSPGRTKITRGFKLGHKHEFTPTSSGKSHYIEPAKRAHV PPPRGGRGGFGQGIKPHDI PRQRKQNTSRPPSMHVDVFVAES KEVVPQDGI PPPKRLKVSQKISSRGGFSGNRGGRGAFHSQNR FTPPASKONYSRREGTRGSSWSAQNTFRGNYNESRGGQSNFNRG PLPPLRPLSSTGYRPSPRDRASRGRGLGPSWASANSQSGGSRG KPVSGGSGRGRHVSPTIR
6896	1	555	GNIVTQKKYKQHIYPLENVITDSIKDEGDLRNGWLIKPTTRB PAVYAATATEKSEMMHINKCVTDLLSKSGKTPSNEHAANVVD SEATVCMRCQAKFTPVNRRHHCRKGFVVCGPCSRKRPPLPSQ SSKPVRI CDFCYDLLSAGDMATCQPARSDSYSQSLKSLNDMSD DDDDDDSD
6897	3	920	GDGLMHEVVNGLMRRPDWETAIQKPLCSLPAGEGNALASINHY AGYEQVTEEDLTNCTLLCRELLSPMNLISLHTASGLRPLPSVL SLANGFIADVDLESEKYRRLGEMRFTLGTFLRLAALRTYGRILA YLPVGRVGSKTPASPVVVQQGPVDAHLVPLEPVPVSHWTVVDE DPVLVLALLHSLGSEMPAAMPGRCAAGVMHLPTVRAGVSRAML

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			LRFLAMRGRGRHMEYECPLYVVPVAVRLEPRDGGGVFAVDGR IMVSEAVQGVHPNYFMVSGCVERPPSWKPCQMPPEPL
6898	919	346	QKTVTRVASSLLKGGGCIYENERRMGAVIKIRPFKIMLVLYICW LSHIINESLIPVLEMYTDINGGSLKPVRTAAKTTFDGLNPA QGFLSLAFYGTGCSLGPQSFRRIQWESLTAAAGAHPSPL MPHENPASGKVSQVGGQTSDEALSLSEGSDASTIRHTASESC NRREGDPALPTGGDL
6899	120	827	MKVRKNDAYLLDKNKINDCPISCFPKMGLTLPFSGHGLSL LEBGRYTFSLPCAYARSLITVPWVELGKVSVMCAKTGYSASI TFHTKPPYGGKLEHVTAEVKHNITNTVVCVQGEWNSVLEPTYS NGSTKYVDLTKLAVTKRVRPLEKQDPFESRLWKNVTDLSRES EIDKATENKHTLEKQRTESRHETETGTFTKTKYFIKEGQGWVY HKPLWKLIPTQPAE
6900	3	451	TEVLGSGIHELRSSTALHHALESASLLTMFWRAALPSTHIP VLPGKVGESTERELLKLETKVSOQEQLLQSTTEHLKNAQQRSS MEQFIVSOLTRTHDVLKKARTLEVRKLLHQSEAPSLSPTHHP LADLVGDSWPAIRFOEK
6901	1	201	DNNVQRLETDPIHMTLQQQSTLEQNAANLQNVMMQALCPYGRP SPFEAARQVLLKNSFYRYELGPE
6902	2	267	GAPPFPFSQPPRQPPQAPSSHEPSDLTFNPSSALEGQAGAQA SDMPHPSLDLPRLTNEDKLLSYLDFDLPSNSNDLLSLFNN RINOVYRQGPTEGTHLVIDQMVQNPQDESCFLPSTVKRESSDCY HIILK
6904	464	2092	MEASLPVSLSCVLACGDVEGRFDILFNRVQAIQKKSGNFDLLC VGNFPGSTQDAEWEEYKQIKKAPIQTYVLGANNQETVKYPQDA DGCHLAENITYLGRKGIPTGSSGLQIVYLSGTESLNEPVGYSF SPKDVSSLRMMLCTTSQFKGVDIILTSWPKCVGNFGNSSGEVD TKRGSALVSSLATGLKPRYHFALEKTYTERLPYRNHIIQEN AOHATRFIALANVGNPKKKYLYAFSIVPMKMDAAELVRQPPD VTENPYRKSQORASIGKQLAPVERSAACQFFDLMEKQGRKSS TGRDSKSSPHKQPRKPPQPPPCNPLASPEVEKHLVNNIGTH CYLALANGGLSDHVLILFIGHYQSVVLSAHVVEVEKYKATL ERFESRGRKWCVVFERNYKSHLQLQVIVPVISCSSTDDIKDAP ITQAEQQLLELRIPEHSDIKQINQPGAAFYVELDTGERLFHR IKKNFPLQPGREVLASEALLNVFDSQNRQCQISKEDEBTLARR FRKDFEYDFTLDD
6905	1	226	VSKTGEAETITSHYLPALGVYRTLVLPFWIMRYHVEGPPDLIAI VAGLVQTVLYCDFYLYITKVLGKKLSLPA
6906	3	611	SYDDHGHIDFITAAENLRKMYSLPADRFKTRKRIAGKCIIPAI ATTATVSGLVALEMLKVTGGYFPEAYKKNFLRLAIPVVPSTET TEVRKTKIRNGISPTINDRWTVEGKEDFTLLDFINAVKRYGIE PTMVQGVEMLYVPVMPGHAIRLKLTHKLVKPTTEKKYVDLTV SFAPDIDGDEDLGPPVRYTFSHTD
6907	2	2228	LRGVVMAAGAFRFSGRSTSHLINSRSQRLTRYSGQDDGCS SSSGSSVAGSQSTLFDKSPLETLKRESSNMERLSPAPOLGPSS DARTSYYSLSLVHESWPPRSSLKELHGDANWGEDLVRERRGT GSESSRASGLVGRKATEDFLOSSGYSSEDDYVGVSDVDQSS SSRLRSVSRAGSLLMVATSPGRLEFRLLYWAGTTWYRLTAA SLLOVPVLTFRFSSLKTPINFLPLLLLTCLTYGANYFYYPGLQ TFHPALVSWAAKDSRRADGHEARDSSPHQAEQVMSRVHSL ERRLEALAEFSSNWQKRAMRLERLEKQCAPGQGGGGLSHED TLALLEGLVSRRAALKRDFRRTAARIQEELSALEHQQDSE MLPKIVRASQSEARIQQLKSEWQMTQESPOESSEVKELRLLE DQLAGLQBELAALAKQSSVABEVGLLPQIQAVRDDVESQFPA WISQPLARGGGGVGLLQREEMQAQLRELESKILTHVAEMQGRS

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			AREAAASLSLTLOEGVIGVTRQVHHIVKQALQRYSEDRIGLA DYALESGGASVISTRCSETYETKTALLSLFGIPLWYHSQSPRVI LQPDVHPGNCHAFQGPQGFVAVLSARIRPTAVTLEHVFKALSP NSTISSAPKDFAI PGFDEDLQEGTLLGKFTYDQDGBPIQTFFP QAPTMATYQVVELRILITNKGHPETTCYRFRVHGEPAH
6908	3	780	QVPSAAMLMVAVCGISRLGLGSELGLQGCFAARLLYPRFQSRG PQGVEDGDRPQPSSTPRIPKIYITCTGKGFSSSTFTGRRRMD QVFRVAGTTDELSSAIGFALELVTEKGFHFAELQKIQCTLDV GSALATPCSSAREAHKTYTTFKAGFILLEQWIDKYTSQLPFLT AFILPSSGKISSALHFCRAVCRAERRVVPLVQMGETDANVAF LRLSDYLFTLARYAAMKEGNQKITYKKNPPARSEGL
6909	3	409	GRLLAVGTDLYGQRSSAPEQLLVQDATTVVNSLLPEKAFSDIP SPYLRGTIRNMQAVRQAFQDQDRRTWDGRPLTHAATFDDCLYA LCVVDITIKRSSQTGEWQIAIMTEPEKLSPAYLISRAMRRSRMS LYC
6910	1	1068	LVPVVVLDISYYGKLV LAPINIVLYNIFTPEGPDLYGTBPWYFY LINGPLNPNVAFALALLVPLTSLNEYLLQRFVQNLGHPYWL LAFMYIWFIPFIQPHKEERPLFFVYPLICGAVALSALQHSF LYPQKCYHFPVQRYRLRHYTTSNWLALGTVFLPGLLSFSRVA LPRGYHGPLDLYPEFYRIATDPTIHTVPEGRFVNVCGKRWYRF PSSFLLPDNWLQFIPSEFRGQLPKPFABGPLATRIVPTMDNQ NLEBPSTYIDISKCHYLVDLDMRTTFRPKYSSNKEBWSLAY RPFLDASRSSKLLRAFYVFLSDQYTVVYNTILKPRKAKQIRK KSGG
6911	1184	966	GEDAREMETGNVANLISIPGSSPGLLRKSPGGQREEREGRESG PEAABFGQICCDKPVLRDMNPNSTAI VAF
6912	1	844	AMKPVETHSQMLPTILSTGSALKAQSYEDAYRCIKSSILLGSI SGGTDIILSCFMGHNFSLPVYKGBIQARNLGMAVEANNEKGAVN GRSGGLVCTKPIPCQPTHEWDENGNKYKAYFSKTPGIWAGD YCRINPKTGGIVMLGRSDGTLPNPGVRFCSSEIYNTIVSFERVE DSLCPVQYNYKREERVTLFLRMASGHAFFQDLVKRIRDAIRWGL SAREVPSLILLETGIPYTLNGKKEVEAVKQI IAGKAVBQGGAFS NPETLDLYRDIPELQGF
6913	1643	1558	KKSHBESHKEELSYGAQASLPLPCSDFR
6914	1251	615	ELAAECKSAGYPGTLPYRCILSNRBDLSMPSAYRSQBSGVDI CINWAGLARPDYLLSGSTSGWKMFPNVNVLALSICTREAYQSMK ERNVDDGHIININEMSGHRVPLSVTHFPYSATYAVTALTEGLR QELREAQTHIRATCLSPGVVETQFAFKLHDKDPEKAAATYEQMK CLKPBDVAEAVIYVLSTPAHIQIGDIQMRPTBQVT
6915	254	652	GRSLSFCTFLIWLISITYGGGILMYGALVLPESFPVHVVAISFT ALILTELLMVALTVRTWNLMMVAVFLSLGCVSSLAFLNEYFD VAFITTVTFMIVSAITVVSCLPLYVLKYLRRKLSPPSYCKLAS
6916	254	652	GRSLSFCTFLIWLISITYGGGILMYGALVLPESFPVHVVAISFT ALILTELLMVALTVRTWNLMMVAVFLSLGCVSSLAFLNEYFD VAFITTVTFMIVSAITVVSCLPLYVLKYLRRKLSPPSYCKLAS
6917	254	652	GRSLSFCTFLIWLISITYGGGILMYGALVLPESFPVHVVAISFT ALILTELLMVALTVRTWNLMMVAVFLSLGCVSSLAFLNEYFD VAFITTVTFMIVSAITVVSCLPLYVLKYLRRKLSPPSYCKLAS
6918	28	921	PEAGTRSWREPDPEDLRRFLLSAACRSFPQNLPGGGGGQVSSCS DTDVPYLLAVSEPGRFAEROAVRETHGSPAPGIRLLFLGSP VGEAGPDLDLVLAVESRRYSDDLWDPLDVFPNQTLKDLLLLAN LGRHCPTVSFVLRAQDDAFVHTFALLAHLRALPPASARSLYLGE VPTQAMPLRPGGPFYVPESEFEGGYPAYASGGGYVIAGRLAPN LLRAARVAPFPFEDVYTGLCIRALGLVPOAHPGFLTAMPADRT ADHCAFRNLLVRLPGQASIRLNRQLQDPRQC

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6919	850	41	QGRRELSGSVFCFFIQEPPKEMLTLSYHERVRSQGGQLQQLQA ELDKLHREVSIVRAANSEKVAKLVPQRLNEDFVRKPDYALSSVG ASIDLQKTSHDYADNTAYFWRNRFSPWNYARPPVTILEPHVFP NCWAFEGDQGVVVIQLPGRVQLSDITLQHPPPSVHTGGANAP RDFAVFFLLSPFTHQGLQVYDETSVSGKFTFDVESEIQTPHL QNDPPAAPPKVIQILSNNGHPPTCLYRVRARGVRTSEGAGGS AQGPH
6920	1418	591	EAQGPSKRVHILTKKKK
6921	2	1711	MNATESSEQPMVINHABQYTLREMYNLYKKQLCDVLLYAGHLRI PAHRLVLASVSDYFAAMFTNDVLEAKQREVRMEGVDPNALSSIV QVAYTCVLQKEDTIESLLAAACLQLTQVIDVCSNPLIKQLHP SNCLQIRSPGDAQGCTELLNVARKYTMERFIEVIRKQBPFLLEA NRLSKLLCSDDINVPDEETIIPHALMCMVGHVQNRQGLGMLLS YIRLPLLPOLLADLETSSMFTGDLCEKLLMEAMKYLHPERR SMQSEPTKPKSTVGALYAVGGMDAMKGTITIEKYDLATWSAL HIGTMGRRLQPGVAVIDNKLIVVGGORDGLKTLNIVCFNPVGK IWTVMPPNSTHREGLGVATLEGPMYAVGGEDGNSYLNFTVERNDP EGEQMNYVASMSTPRSTVGVALNNKLYAIGGRDGSCLKSMBY FDFHINKWSLCAPMSKRRGGVGVATYNGFLYVVGHDAPASMH SRLSDCVRERYDPKDSWSTVAPLSVPRDAVAVCPGLDKLYVVG YDGHYTLNIVESYDAQRNEWKEVPVNIAGACVNVVKLP
6922	1075	369	LTPFAGIRHEVRDRERERERERERERERERERERERERERER GLPPAMQKVMYKGLAPEDKTLREIKVTSKAKIMCGGSTINDVLA VHTPKDAQDQAKARENKKEPLCRQKQHRKVLDKGKPDVMPVSV KGAQERLPTVPLSGMYKSGGKVRITFKLEQDQLWIGTKERTK LPMGSIKRVVSEPIEGHEDYHMAFQLGPTASYYNVVNVPTQY VDAIKDTVLQKQYYP
6923	2469	1660	LGLFCILPDIITLCAVLERDTLSIRESRLFGAVVRWAAECQRO LFVTPGNEQKVLGKALSILRPPLMTIEBFAQPAQSGILSDREV VNLFLHPTVNPKEPRVEYIDRPRCLRGKCCINRFQQVESRNGY SGTSDRIPTVNERISIVGFGLYGSIHSPDTQVNTQIIBYERK QTLGQNDTGFS CDGTANTFVVMFKBPISILPNVCYTACATLKGP DSHYGTGLKRVVHETPAASKTVPPFPSSFGNNNGTSIRDGQIP BIIPTT
6924	2210	1235	PEERVICPVHYLTAFHGRKALAKKPYNPIIGETPHCSWEVP KDRVKPKRTASRSPASCHHEPMADDPSKSYKLPVABQVSHHP ISCFYCRCEERLCVNTVMTEKSEPMCMGVCSMIGCVLRLL HKEYVFTLPSAYARSILTIIPWELGCKVINCAYGYSATVIP HTEPPYGGKVRHVTAEVKHNPTINTIVCKAHGHWGTLFTYING ETKVIDTTLFVYPKIRPLEKQGPMSRNLNREVTYLRIGDI DAATEQRHLEKQKRVKEREKRENLRTFWKPKYFIQBGDGGIILQ SPLESTLMGLEVQSFPV
6925	2	1653	RGGAAGAAMEPDSVIEDKTIEMCSVPSRLMLGCANLVESMCAL SCLQSMPSVRCLOISNGTSVIVSRKRPSENYQEKOLCIRYF DQMSSEDQVEFVEHLISRMCHVQGHINSYLPMLQRPITALP EQGLDHAENILSYLDARS LCAABLVCHEWQVISEGMLWKKLI ERMVTRDPLWGLSERRGNDQYLFKRRPTDGPNSFYRSLYPKI IQDIETIESNWRGGRHNLQRIQCRSENSKGVYCLQYDDEKIISG LSDNSIKINDKTSLECLKVLTGHTGSVLCQYDERVITGSSDS TVRVWDVNTGEVINTLIBHNEAVLHLRPSNGLAVTCSKDRSIAV WDMASATDITLRRVLVCHRAAVNVVD FDDKYIVSASGORTIEVW STSTCEVVRTINGHKGRIACIQYRDLVVGSSDNTIRLWDIEC GACLRVLEGHEBLVRCIRPDNKRIVSGAYDGKIEVWDLQAALDP RAPASTLCIATLVEHSGRVFLQFDBFQIISSEHDDTILWDFL NVPPSAQNETHSPSKTYTYISR
6926	1	733	SGRVAMDGLGLQFPBQGFAGPPLLPFPMGGHYRDCOSLGAPPL

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			DGYPLPTDTSPLDGVDDPAFFAAMPFGDCPAGTYSYAQVSD YAGFPPEPAGFMHRLGPEPAGPSIPGLIAPPALHVVYGAMGS PGAGGGGRCFQMQPQHQQHQRHHPGPGQPTFPFPAALPCRDGT DPSQPAELLGEVDTEFEQYLHFVCKEPMGLPYQGHDSGVNLEFD SEGALSSVSDASSAVYYCNYFDV
6927	2	1484	LTLCGDIGLALQANNNRAAHLEEFHYQTKEDQETLHSLHRESS CQGFANATDLSTLHLSQSVSCCKCYBAANEILQFDLKSQNPKH YVQVLKRMGNIRNEIGVFPYNDAAALQSERLVSKSVSAAQQILW KKSFCFREGIHNFEISIRDATNAALLCPTGRLMRI CAQAHCCA GDELKREFSPEGLIYNKAIQYTLKALRSLGTRDTRPAVHDSVN WELSTTYFTMATLQDDYAPLSRAQEQIEKEVSEAMMKSLKYCD VDSVSRQPLCQYRAATIHRLASMYHSCLRNQGDEHLEKQHR VLADLHYSKAAKLFOLLKDPCKLRVQLERVAFAEFQMTSQNS NVGKLKTLGSCALDINVRTEHAPQLIQRELKEFPQPKSGDAAAA ADASPSLNRREVMKLLSIPESRLSFLLQSIKLLSSTRKKTENN IKDDTTLKINKHILYQLLRATANKTATLLERINVIHLLGLAA GSAASENAVQ
6928	1086	777	RAIDLINLLQVMKRYSDKTLSHPNLQYQTNLDLRELECK IGERYITHESDRLMEKYAGEQGLQYPTHLINFSASHSDTPETB ETENEALGERVSIL
6929	1749	607	RDQGYRDDRSFARFPGDVSAITRSGGGGERSATTAMPFPVFN NLHORDPDLRHNGNVVAGRPSCSRGPRAIQKQPPAGGRSG RGPAAGGLCLQPPDGGTCVPEFPVPVPMDEALEKHLAGLQPRE QEVNRQGGARTNSTSAQKNERESIRQLALGSFFDDGPGIYTS SKSGKPSLSRLQSCMLQICFVNDSSGSDKSDADDSKTETSLD TFLSPMSKQSSSYSDRDTTESESESLDDMDFLTRQKLAQARM ALAMAKPMAMQVEVERQNRKSPVADLLFPMFHI SECLNKRSL KPTDLRDMTIGQLQVIVNDLHSQIRSLNEELVQLLLIRDELHTE QDAMLVDIEDLTRAESQKHPAKMPAK
6930	131	545	FKDTANVFSVLFQMRNNFHYFIPESQLKLYDVITNIVTQVAY STTVVPVFLSLIKPSLTFYSSWYICLHIGILVLLLPVKTKQR RKNTHNIQLSQSKKFDGENSLGONSFTTNNVCNQNBILASR HSSLRQ
6931	2	659	PVERLEPRPACILVASGAAGVSAQSFLHCPTMASTAFNLQVAT PGKAMEFVDVTESHARWQDFRLKAYAPAKLESIDGARYEAL LIPSCPGALIDLASSGSLARILQHFSSEKPICAVGHVVAALCC ATNEDRSNWFDOSYSLTGPSVCKLVRAPGFARLFLVVEDFVKDSG ACPSASEPDAHVVLDRHLVTCQNASSTVPAVQNLFLCGSRK
6932	2	1131	FVDSFGQGEQAEHEGGIQMNSRMRAHSFAGASVRESSESPKPK SDMCEGCRSLAAGHPGYLSDKETSIKYVSHQHPSEHPQLFSIVR QACVBSLSCVCPGREGPIFFGDEQHGFFVSHITFIKDSLARGF QRWYSIITIMMDRIYILINSWPFLGKVRGIIDELQKALKVFEA EQFGCPQRAQRMTAFTPFLEQRNGNAARSLTSLTSDNLMACL BTSFAMLWACGSLRTEKLECAPTEDTLVQMEKLADLERESSES WINSKARREERAPVLPESTEGRELTCGPARESSSLSCGGSWQPRK LPVPSLREMRQVGGRTAHEHLRRRANHGLCLPTRLASGPSTL ETLQEVTDLSLLGGWMAQGVGGII
6933	1431	890	SLNLHCTLPPFPHQYPAGYPSDKGKKPKGQSKKQPSGTTKRPY SDDDCPSASKVYKASDSAAEIRAFQLTPQQHLIREDCQNKWL DEVLSHLVEGPNFLKELQSPMCVCCQLVYQPVITECFHNVC DCLORSFAQVFSCPACRDLGQNYIMIPNEILQTLLDLPFPGY SKGR
6934	3030	2588	DRHSCQGGIRVALARVSSVKLISKAKIRTVKMTPIIVLAFIV CWTPFFVQMVNDANAPREASAPIIVMLASLNSCNPWITM LFTGHLFHELVRFLCCSASTLKGRRLGETSASKKSNSSSFVLS HRSSSRSCSQPSTA

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6935	886	543	NSALYVAGGNDGTSCINSVRYSPKAGAMESVAPMNIRRSTHDL VMDGWLAVGNDGSSSLNSIEKYNPRINQWVAASCMTFRSS VGVAVLELLNFPSPSSPTLSVSSTSL
6936	1347	567	ESHERQFLSRALLEFPFGKSHPPPHRLPRSLNVGLHYSHYVPLT TCLHPLRRLQKGBVGLSVETS KPOVPVGGLSRKKVPQEPNATV MEKRLQEAQLYKKBGNQRYREGKYRDVSRYHRLQLRGLDPS LPSPLNLGPQGPALTPQENILHTTQDCTNNLAACLLQMPV NYERVREYSQKVLREQPDNAKALTRAGVAFPHLQDYDQARHYLL AAVNRPQIDANVRRLQLTQSELSSYHKKRQLYLGMFG
6937	1	727	AVEPRCCPGRDPAFCARGWRLDRVYGTFCFQACRPTGDCCFDY DRACPARPCFVCEGSPMSGCCADQCKPTFRVRRSVQEQPQWCGA PCPPLERAGCLYSTPQGGDGHYTVPAFITTSAPNKRTRQA TSPHSTHTEDAGYCMFPTBSLTPHCALENPLTRWQYLREG YTVCVDCQPPAMNSVSLRCSGDGLSDGQTLHQAIGNPRCQG TWKVRVDQCSCPAVHSPIFI
6938	3	713	NSRKLKLAERVDITDFMLKRRQSSSEKENDSGTLDTGAVVVVDH EGNVAAVSSGGLALHIGRFGQAALYGCCCAERTCAHNPYST AVSTSGCGEHLVKTILARECSHALQADABQALLETHQNKFISS PFLASEDGVLCGVIVLRSCRCASBPSSQERQTLLEVLMSHTT ESMCVGYMSAQGRKATHISRLPPGAVAGQSVAEEGGVCRIGRP SELTQAECEASQRHPT
6939	3	810	EVTAPRRPQRYSSGHGSDNSSLGELFPAMGRTALPHHGGSS GYESLRDSEATGSSASSAPDSMSSEGAASPGARTSLKSPKKRA TGLQRRRLIPAPLPDITLGRKPSLPGQWVDLPPPLAGSLKEPP EIKVYRIDDDVERLQRPPTPREAPTQGLACVSTRILRAERRQQR LREYQAKHKLCEBLAFTQGRNLLEPGRWLBQPEVDPELEPESA EYLAALERATAALEQCVNLCKAHVMVTCPDISVAASAAIPGPQ EDVD
6940	1188	496	GDMAAQPLRHRRCATPPRGDFCGGTERAIDQASFTTSMENDTQ VVKGSSPLGPAGLGAKEPAAAGPQLPSWLQPERCAVPQCAQCHAV LADSVELAMDLSRLGAVVFSEVTNNVLRAPFLVGIKSGSLKGS TYNLLFCGSCGIPVGFHLYSTHAALALRGHPLCSSDMWCYLL KTKATVNASEMDIQNVPLSEKIALRERKTVLTHNRLKSLMCTLS EVTDPQSKPEN
6941	1	713	SLSRADSDPHGPHYCGHVLNVTIGSNVLALARAQRQABALGYQA VVLSAAMQGVKSMAPQTYGLLAHVARTLTPSMAGASVERDAQ HELAALQIPDLQLEALETMANGRPVCLLACGEPTVQLQSSG RGGRNQELALRVGAELRRMPLGPIDVLPISGGTDGQDGPTEAAG AMVTPKLASQAAAGLDTATFLAHNDSHTFPCLQGGAHLLHTC MTGTNVMUTHLLFLRPR
6942	1	246	GDYVRYDPKTDITWNGAPLSMPTNAVGGCLIGDRLYADGGYDG QTYLNTMSYDFQINERTQMASLNIQRACQVVIKQP
6943	1	739	PNATGDGAKTLAIVKALTADSIRITWKATLPASSFRLSWRLIG HSPAGGSITETLVQGBKTEYLLTALEPKPTIICMVTMETTNAY VADETPVCAKARTADSYGPTTLAQEQNAGPMASLPLAGIIGGA VALVFLFLVIGAICMYVHQAGELLTRERAYNRGRKDDYMESE TKKNSILEIRGPGLOHLPINPYRAKESYVVHTIPPSNGSSLCK ATHITIGYGTTRGYRDGGIPDIDYSYT
6944	960	156	VANILLNGVKYSESLTGSSERAEQPLSVGRCLSTICMPEALRT LCVNHPLGWLSPFGMLLPYTDPMGEVVFQGDPKAPHTSBAQKY NSGVTMGCGMCIYAFSAAFYSAILEKLEKFLSVRTLFPYIAYLA FGLGTGLATLSNLYVVLSCITVGIILFSTLCTLPYSLLCDYVQ SKKFASSADGTRRGMGVDISLLSCQYFLAQILVSLVLGLPLTSA VGSANGVMYFSSLSVPLGCLYSSLEFVITPSPDAADEBHRPLL LNV

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6945	2067	179	EGEDRGILFRTMCAALGTGTETLAPWPGRACGALFRWPTPTAPAQGC HSPKGPAPRPVPLKRGYDVTNPHLNEGMFTLEKRLQIGIHSL IPPCLFSQDVQLLRIMRYERQSQSLDKYIILMTLQDRNEKLEY RVLTSQVEKPMPIVYTPVGLACQHYGLTFRRPGLFTITHDRG HLATMINSWPEONIKAVVVTDGERILGLGDLGCYGMQIPVGKLA LYTACGCVNPQCLFVLLDVGTTNNEKLLRDPLYIGLKHQRVHGK AYDDLDFMQAVTDKFGINCLIQFEDFANANAPRLINRYRKY CMFDDDIQQTASVAVAGILAAALRTKMLSNHVPQFQAGEAAM G\IAHLLVMALE\KRGVPEA\BATRKIN\WVDF\KGLTVQGRDH LNEKEMFAQD\HFEVHSLSEVVHLVKPTALIGVAAALAA\PTB QILRDMASPHERP\IIFALSNPTSEACTA\ECYRVTEGPRGF FAS\GSPF\GVLIWNGKTFIPGGRGNA*RVPRGNQLGVHSPG GDPCHIP\DELFLPDSRAKLPQEVSEQLSQGLYPL\PLST\IR NVFLAIAIKVFD*GYKEELV\SYTPEPKD\KRAFCKIPQSYTFD YDSFTT\VDGYIWAQGMAMVQTV
6946	133	2551	SCFVSGITVAPGDPFGVAHLAPSMASDTPESIMALCTDFCLR NLDGTLGYLLDKETLRLHPDIFLPSST\CDRLVNEVVLVNAAC NE\EPHE\SPFNPLFRDPKQPASRRIL\KRD\LVQD\QD\LE AIRQDL\VEL\VLIN\CEKLSAKSL\QTLSPSHLTGVP*AFPG C\TWILLRKEHPGGL\CEDEYLFNPTCQVLVDPTFEGFSRLR P\LELGRMIDVVPES\LLRPLNELAALDLEGIQTSDA*\PLTQ WEDSL\VSILV\YMDLEDMDIIR\VTQLERLRLDLSRDRLSS YYKPKLTREVLSEFVQKLGMLSDISG\EMILENCISIKIGKR EAGQTSI\EPKS\SSIIIPFEGFEGGLQF\LGVP*GIFCGRLLTH IPAYKVSQDENBQVILNAIEAXTEHRFEITSRAINLLFDLRIE RCNQLLRALKLVIITALKCHKYDRNIQVTGSAAFLYLTNSEYRSE QSVKLRQVIQVVLNGMESYQEVTVQNCCLTLCNPSIPEKLEF QYRRVNEILLSILNPTRODES\QRIAVHLCHALVCQVINDHKEA VGKNGFVVTMLKLTQKLLDETCDQVMEPEW\SALNNITDET NCEMYLAFNGKLPDCLINBFPPEKQLHMLGLLGNVAVRKEL RPQIATSQPISVPSNLLBSKADGIEVSYNACGVLSHIMPDGPEA WQVCEPQREVEERMAAIQSWDINSRRNINYSFEPILRLPO GISPVSQHWATMALYNLVSVPDREYCPILLKEGGMPLLRDI IKM ATARQETRMARXVIEHCNHFKEENMDTSR
6947	2	1682	TSVSTIPGGLASARFQSESWRCFVWHRBPGRARGGLAMLVNP SQSPFAPRSQQRVASGGRSKVPLEQGRSLMDWIRLTKSGKDLTG LKGRLIEVTEELKREHKKDDCWICIRGPFVTVNSPYMEYHPGCE DELMRAAGSDGTELDQVHRVNVYSEMLKCLVGRMAIKPAVLK DYREKKKVLKGLPKSQVTDTLAKBGSYPSTDMFQTDLSVTI /EHYI*TEGYQFRLNNS*SSB*FLYSRNNY*GLLISYTYW/R*A MRFRKIFLOGL/CBSVGKIRIVLQKRENTSWDFLGHPLNHS IPKDTGLYYRQQLSKEDVTHDTLPLCLMLPPSTHLQVPICQ HVYLELPITGTETIVKPYTPVSGSLLSEFKFVLPNNKYTYFLIK IYPTGLPTPELDRLQIGDFVSESPBGNPKISKQLEDLFLLA AGTGTPMVKILNYALTDIPSLEKRVKLPFNKTEDDIINRSQLE KLAPDKRLDVEFVLSAPISENNRGQCHISPALLSEFLKRNLPK SKVLVCICGVPFTEQGVRLHDLNPSKRIHSFTA
6948	104	58	PDGAHSFPDFEYPTCSSLCLSCGVGCKSKSMHCKRGVPHEAKSR CRYSHQYDNRVYTCACYERGEVSVVPKTSASTDSPWMLAKY AMSGYVIECPNCGVYRSRQYWPGNDPVDTVVRTEIVHVPQT DGFLKNNNAQRLLDGMFMAQSVSELSGPTKAVTSHLTDQI APAYWRPNSQLSCNKCATSFKDNDTKEHCACGEGFCDCSSSK TRPVPERGWGAPVRVCDNCTEAR/YRVSCTRGTSGR*RRRET QETVE
6949	152	4656	GLRLCLSRPLTRPGDDSVGGSAMASGAGVGCGGCKIRTRRCH QGPIKPYQGRQQRQGLSRVTSVRKNIVGMLQRYFNKNEEDVC

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			SCSTDTSEVPFENKEDHLYADESSNITDGRITTFPAVSNT REPTSTTAST\YPDVLTRVSLYRSHLAFENLSPALHCPST SAFFIGSSGFSLVKEIKDSTSQHDDNLTSTSGFSSRASDKDIT VSEKTELPLPNSPEARSHSLQHTATSSKQAFNLAPGTLSP SLGSSILKTSQIGDSPYPFGRTTYGGAAAVRQSKLNTTPYDA FVERQAKQLSAQSYGVTSSTARRILQSLHEMSSPLADAKRIP SIVSSFLNSPLDRSGIDITDPAKRRKVDQYPPVORLMTPKPV SIATNRSVYPKPSLTPSGEPRKTNQRIDKCKSTGTENMTPGQN HEQRESGFSYFNFLPAANGLSGSGGGGGKMRERHAFVASKP LREKEMEGVPLKISLPITSSSLPTFNFSSEBITTSSPSPINSS QALTNKVQMTSPSTGSPMFKFSSPIVKSREANVLPPSSIGFTF SVFVAKTARLSGSSSTLEPIISSAHVTVNSTCKETPFEDC EGFPRPARILKSGSVLDILKSPGASPKIDGVAQPTATSPVYV TRPAIESPSSSGIGFESLKAGSSWQCOTCLLQMKVTNKCICAC QAKLSPRDTAKQTGLETNPKESKTTLASGTGPGDKFEPVIGT WDCITCLVQKPEAKKVCACSTPKPGTCVRAALTLTVSESAET MTASSSSCTVTGTLGFGDKFARPIGSWECSVCCVSNARNDKC VSCHEKPGSSVPTSSSSTPVSLPSSGSLGLEKFKKPEGIWDC ELCLVQNKADSTKCLACRSKPGTKSGFTGFTSSSSSSSAASS SFFPGVSSSSSGPSQTLTSTGNFRPGDQGGFKIGVSSDSGYINP MSEGPFSEKHVQPKFGVSSSEKPEEVKDSKENDNPKFGLSPGL SNEVFLTPFGVENVLQGRKKKELLKSSCAGFPGTGVINSTR VPANTIVTSNKSSFNLOTIETKSVSVAPLKQQTSEAKKEMPA TKGGPSFGNVBPASLPASVFLGTEKKQBPVTSTSLVFGEG KLINKEPKC\QPVFSGFEGFQRTKDNSSKSTFSMTKPSKE SEQPAKATFAPGAQNTTADQGAAPDLSYLANSSSSSTPAT AGGG\IFGSSSTSSNPPVATFVFGSSNPGSS\AFGNTAES SQSLFLPSQDSKLATSSGTAVTPFVPGPGASSNNTTSGPGFG ATTTSSSAGS9FVFGTGPBAPSAPFAGANTPTFGQSQGASQP NPPGFGSIESSTALFPTGSPAPPTFGTVSSSQPPFVFGQPSQ SAFPQSQTTPSSSSAFAQPGSSSTFNPNFTNNSPSGVFTFGANSSTP AASAQPSGSGGPPFNQSPAAPTVGSGNGEVFSSSGTSFSGRKIK TAVRRRK
6950	2585	411	FRPGSRSGLCRAAGERCAVRAGCLSRRTAE*IMDELHYQDTS DVPEQRDSKCKVWTEREDQLRALVRQFGQDQWFLASHPNR TDQCCQYRNLRLVLPDLVGGPWTEREDQKVIHLVKEYGTRQWTL LAKHLRCRLGRQCRERWNNHNLNPEVKSCWTEREDRIICRAHKV LGKRWAEIARMLPGRTONAVNMHNSITIKRKVDTGGLSEKDC KPPVYLLLELEDGLQSAQPTGEGSLLTBNPVSVPPTIKBBEN SEBELAAATTSKEQEPFGTDLDAVHTPEPLEEPKREDQEGSP ETSLPYKVVVEANLLIPAVGSSISEALDLIESDPDAWCDLSEF DLPBEPKARDSINNSLVQLQASHQOQVLPFPQPSA\LVPSVTHY RLDGHTISDLSSSRGELIPISPTSEVCGSGIGTPPSVLEKQK ERVALSPVTENSTLSPLDSCNSLTPKSTPVKTLFPSPSQFLNP HNKQDTLEESPSLTSTPVCSQKVVVTTPLERDKTFLHQHAAF VTPDQKYSMDNTPTPTPFKNALRYGPKPLPQTFLHEDLKE VLRSEAGIELIETDTRPEKQKPKGLRRSPIKVRKSLALDIV DEDMKLMNSTLPKSLSLPTTAPSNSSSLTSGIKEDNSLLNQGF LQAKPERAAVAQKPSHFTTPAPMSSANKTVACGGTRDQLFMQB KARQLLGRLLPSHTSRTLLS
6951	1940	239	AGPDDTKRSQALYQQLSFLLYLALTRALAFALQBPSPRESL QVLESGTPPGTMVTAPEHSTRHTSVVHLTPNPDGPPSQAAPMA TPTPRAEGHPT\TPSPPSLRQ*PPPILKAP/SSTGPAPAMAT TSKPPEGRPGQAAPTILLTKPGATSRPTTAPRITTRRPPRP PGSSRKGAGNSRPVPPAPGGHSRSKEGQGRNPSSTFLGQKRP LGKIFQIYKGNFTGSEPEPSTLTPTPLWGYSSSPQQTVAAT

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			<p>TVPSNTSWAPTTSIGPAKDKPGLERAAQGGSTPTSQGGTPDA TAASGAPVSP/PSCPAFAFPFPR*PTGWPQ*LLAYCYP\CT SRPLSTSSGVFTAATGPTPAFDTSVSAPSQGIPOCASTTPOAP THPSRVSESTISCAKEETVA\PS*PTGCPVLSQWYTPQQAIS STAWSPPGSLGQGGTSPMWPEGTNRSTPPSA*ARNLSPG*S WPSACPSPP\LCPADGVLEHEEEDRQPGEQPEAYGNTHHPGT TPOQAC\BGAAPGBIPVFLKPLRLQLSEKPSANGDYRDTGNVP C</p>
6952	658	304	<p>PESEGESGENTDRYTIHSQLEHLQSKYIGT\ATPTFPFGSG\CS PTPRVLVLLHGLPLPSQLLHOG*EQSASPLQDGDASALWT ASRQARGELRLCLTTAVRGTSPPSVSPVCQS</p>
6953	1512	349	<p>NWGTKRALASGKHVPFGKQINPNKS/VHCD*G**RRTTODBS FSPHPRGDMGVV\KLEKELENTSQPVGGNEG*EBEVTGWLNSD PLLELCQCPQLDQGSREQLIARVQHTAAVVSASYM\CPVC GRALSSPGSLGRHLLHSEDRSHCAVCGARFTSHATFNSKLP EVLHMSLFTVNEGPSSABGKDIAFSPFVYPAQILLVQWCAA YRGLLEAQTPSVRKVALERQREPLEVRLQLERERTAKSRDIN ETPREREVRMRDRHAKRLQRMQETDEQARRLQDRBAMRLR AIETPEKROARLIRERAKRLKRLERMDQLAQFGQDPSAMA ALAAEMNFPQLPVSQVGLDQLQDMAPREQNSSLSH</p>
6954	819	1	<p>PPFPPTIPSHPREAGT*AG*KESGDSCESEFVEQ*A*TRAAQCN *PQR*RWTEGNSPOASAVATPGOGASPAERCTP*PSRHRRLP PGARPPAG*AAPAPTKPWLGPASAPQGAAPLSPAPPLIRTR *GAGAAARGRPDRSRPRPTGCGCSMSERTPPAVSASAQTPS DAG*AGGR*GQRQRPSTGR*PPGVGAGRSRREGTIPGNPHPR AS*AGWQR*PGP/REWGL*EPQGEKMSGGPGGAPPNQVGS VMQAMSTGI</p>
6955	1968	782	<p>PPGRQVRAQVAGAPVGHNGTRARQVKTGRRRRARKTMPLQGD NRSPGNSWIKTEGDKRCESCSQKLERENHONISHSIILNSED GRIFNNEHEHYASKKRKKHFRNDNTQSPYREKWTYVHEESTK ERHGYCTLGEAFNRLDPSAIQDIRRFTVWLLQLLAKSOLTS LSGVAQINYPNILDXTVQKVLDDHNPRLKDLQLDLSSTLCIL /N*RSREVCISGKHQYLDLP/IRNYSRLATATGSSDD*ASE\NG LTLSDLPLHMLNNILYRPSDCWDLITLQGVPTLYMLSEDRQLW KKLCQYHFAEQPCRHLLISEKSHIEWKLWYFALQXHPAKBQY GDTLHFCRHSILPWKDSGHFCTADEDSCTFVSPQHFIDLFX F</p>
6956	8605	3839	<p>QTSTIYASPTSPVVLGESVLQDMSFDLNGSDAQREEMQTQS DPPPSLTQPAFDQSSSTIQLHPATSPAVSPPTSFAVSLVSPAS PEISPEVCPAASTVVSFAVSVVSFASSAVLPAVSLVPLTASV TSPKASPVTSFAAAPTASPAKIDVBSFLETTADVERTTGBGLT ASGSGDVHRRRIATPEVRPLQHGWRBRVRLKGSRRNQGETW YYGPCGHRMQFPFVVKYLSNVVHVSVRREHFSFSPRMPVGDYF EEEDTPEGLQNVQLSAREKPSRIQAITGKRGPRNTEKARTKEV PKVKRGRGRPPKVKITELLNKTNNRPLKLEAQSTLNREOKAKI AKSKKMRQKVORGEQTTIQQOARNKQKQETKSELEQKEAKKS KAKKKGRTKQEKLVKVKREKKTVMKKKEVTRAKPACAD KTLATQRLRERQRMILEMKKOPTEDMCLTDHQLPDPFSRVP GLTLPSGAFSDCLTIVEFLHSPGVLFDPADQVPSLQVLQEG LQGDSELGVEVDLLVRLKAALEDPGFPSTYCSLKLGEKVSEI PLTRDNVSEILRCPLMAYGVEPALCDRLRTQPPFQAPPPQKAAV LAFLVHEINGSTLLINEIDRTLSMSSYRKNKIVBGRLLRLKT VLAARTGRSEVMEGPEECIGRRSSRIMEVTSGMEREKES IAVPGRRGRDGEVDATASSIPELERQIEKLSKQLPFRKKLLH SSQMLRAVSLGDRYRRRYVLPYLAGIFVGTBGNLVPBEVIR KETDSLKVAHAASLNPALPSMELAGSNYTTASSPARAGRPK</p>

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			TKPGSMQPRHLKSPVRGQDSEQPOAOLQPEAOLHAPAQPOFOLQ LQLOSHREGFLBOEGSPLSLGQSOHDLQSASFLWLSQTQSHSSL LSSSVLTVDSSPGKLDPAQSPPPEPEPEDEAESPDQALWFI SAQMPCHAAATPPPAVSEDDQPTSPQQLASSKPMRPSAANPCS PVQPSSTPLAGLAPKRRAGDPGEMPOSTGLQGPERRGRPPSKY FKQMSQRYLTQTUATQPVFPFMCSGNWWIRDFPMLDANLKALEPR GIREKALHEHLNHRDPLQEVCLRPSADPLFEPQLPAFOEJIM SWSPKERTYETDLAVLQWVELEBQVINSDLQIRGWTCPSPDST REDLAYCHLSDSQEDITWRCGRGREGLAQPKTNPDLAVMRL AALBNVERRYLRPLNPTHEVVLKALLSTPAGAEPTTTTIS YEITPRIHVWQTLECRSAAQVCLCLGQLERSIAWEKSVNKVT CLVCRKGDNDKFLLLCDGCDRGCHTYCHRPMEAVPPODNEPCTV CLAQOVEGEPTQKPGFPKRGQKRSYSLNPSGEGGRERVLLR GRESFAGGPRYSBGLSPSKRRRLSMRHHSDLTFCBIILMEME SHDAWFFLEPVNRLVSGYRRIKENPMDFTMBERLLRGGYTS SEETAADALLVFDNCQTFNEDDSVGVKAGHIMRFFP\SRNEEP YQGRQGSVRQGRVGTLMHLPPPTQTKTCHFLMLPWWVTQV RYNPDF
6957	82	3514	HLIVAMDEPTKGRNVPAPAPPPPEPSEKBRAGTTPAKDWTLV ETPPGEQARQANQSLSILPIRKPGQGTVKVGEDITFIAKVA EDLSEKPTINGSRKWDLASRAGHILQKBTPEERHSRYTTFEMQ IIRAKDNFAGNYRCVITYKDFDSCSFDLHVHSTGTTFNLDIR SAPERSGEGQEDAGELDFSGLLKRRBVKQREBPQVDVWELLKN TEPSEYKCLAFQYESPTCSGMLKRLKRSIRREKCSAAPAKILOP VYQVDEKGRVRFVVELADPKLEVKWNNQQLRPSITYIPEDTR CQSILNIDNCQMTDSEYVYTAGDEKCSRELLVREPPIMVTKQL EDTIDYCGKRVLECEVSDDAQVWPKSGEETILLVQTRYRIRV EGKHHILILBQATKADAADYSVMITGGQSSAKLSVDLKLKILT PLTDQTVNLQKEICLCBIBENIPGKWTENGLPVQESDRLRVH KGRTHKLVIDHALTEDEGDYVFPADAYNVTLPKAVHVIDPKI LDGLDADNTVIVAGNKLRLIPTISGRPPPKAMNSRGDKAIMBO SGRIRTESYFDSSTLVIDIARDDSGVYHINLKNEAGEAHASIK VKVVDPPDPVPVATVTEVGDDNCINWEPAYDGGSPILGYFIE RKKLQSSRWMLHFDLCKETTPEPKEMI EGVAIEVRI FAVNA\I GISKPSMPSRPPVPLAVTSPPTLLTVDSVTUTTVIMRWPPDHI GAAGLDGYVLECYFEGSTSAKQSDENGEEAYDLPAEDWIVANKD LIDKTKPTITGLPTDAKIPVKVAVNAAGASEPKYYSQPILVKE IIEPPKIDSPKHLKQTYIRRVGDRVILVIPFGKPRFKLTWKD GASIDKNQININSEDTIIFIRKAERSHSGKYDLQVWVKPVE TASIDIRIIDRPGPPQIVKIEDVNGRNVALTWTPKDDGNAAT GYTIQKADKSMWLRVIRHILEPVPHTRLVIGNEYFFRVFSEN MOGLSEDAIMTKRSVILARDGKIYKNPVYEDPDPSEAPMETQPL VNRLCHSGYMATLNCVSRGNPKPKITMKNKVAIVDDPRYRMP NQGVCTLEIRKPSPYDGGTYCCKAVNDLGTVBTECKLEVKVIAQ
6958	274	1663	PRTSRVKTEGSGSSAMDFSVKVDIEKEVTCPICLLELTPLSL DCGHSFQACTTAKIKESVILSRGESSCPVQTRFQPGNLRPNR HLANTVERKVEVMSPOEGQKRDVCEHGGKLIQICKEDGKVIC WVCELQSEHQGHQTPRINEVVKECQREKLQVALQRLIKENQEAR LEDDIRQERTAMNYIQIERQKILRGFNEMKVILDNEBQBELQK LEBGEVNVLDNLAAATDQLVQQRQDASTLISDLQRLRGSSVEM LQDVIVMKRSBSWTLKPKSVSKLKSVPFVFDLSGMLQVLKE LTDVQYYWVDVMLNPGSATSNAISVDQRQVTVTCTFKNSNP CDPSAPGVGCGQYFSSGKYWEVDVSGKIANILGVHSKISSLWK RKSSGFAPDPSVNYSKVYSRYRPQYGVWVIGLQNTCEYDAPDS SSSDPKVLTLMFV\LPVVLGFS
6959	1	1469	SLVHVVEFGRGIEDFPYLPQLTHCQQRICSVTQAGVQWCDHSS

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			LQPTPGLNQSSHLSSLSSDYRMSSFNENFMQDRFNLPPNVT WTELEDREDGRVYPHPODLAALPLALVLLAMRLAFERFIGLPLS RWLGVRDQTRQVKPNATLEKHFLECHRPKRPQSLSLAAQCGL TLQQTQRWFRRRRNQDEPQLTKKPCRASWRFLPYLSSFVGGLSV LYHESWLAFAFVCMCDRYFNQLTLCSPAADSEA\SLYWWYLLLELO PYLSLLIRLPFDVERKGGGPPSSIKRPHYDPPSTA\DFKEQVIH EPVAVILMTFYSANLLRIGSLVLLHDSBYLLLEACONVYMQ YQQVCDALFLIPFPVFPYTRLVLPFTQILTTTYESISERGPPF GYYPFNGLLMLLQLLHVFWSCILRLMYSFMKKGOMKDIKSDV KESDSSSEAAAQAEPQLKNGTAGGPRPAPTGDGPRSERVAGRLIN RHTTAT
6960	387	2068	AKMARREKEMQEP\TESFF\RGPRDLSTLTSTIVRRRYLAHSGRS HLEPEBKQALQRLVBEPELEMQVDEAASREDDLDLTKGRKRPPT PCSDPERKRPFPNSSESSESGSEASSPDYFGPPARNGVASRSHTEP KERNPRA\SKAVESSDEKRRQDLPAQGESESSERKEKGYKGG TRKKFVVKQAPGKASVSRQAARESSERSRAEPVORTAKKVBGN KGTKSLKESQESSEERLLAQKKEQREBEVESEKREDEKRGDWK PRTSNGRRKSAREERSCKQKRSQAIRLLGDSSEKESKKAASSG DSDGDRREPPVQKESDRTQLGGERLSCGSSSEKESGKGEPTA KGSRRMARLGSTSGESDLREVSDEAGGPGQGERKNSKKK SRKGRTRSSSSSDGSPKAGGKAGSGERGDEHPAVMRLKRYIR ACQAHRYKLLGSCCSHKERLSILRAELRAGMGTPSLGKCR ALKEQREAAEVALDVAITISGSGRPRRTAWNPLGEAAPPGB LYRRTLDSEERPRPAPPDWSHMRGIISDGEEN
6961	340	1646	RPWSSPTMKPNPFLRLRIFNLCWGIPTLSEKRRADRMRLGDPL NQESFDLALLEEVWSEQDPQYLRQKLSPTTYPAAHHPFSGTIGSG LCVPSKHPHQELTQHTYTLNGYPTMIHGGDNFSGKAVGLLVHL SGMVLNAYVTHLHASYNRQKDIYLAHRVAQAWELAQFIHHTSKK ADVVLQGDLMHPEDLGCCLLKEWTGLHDAYLETRDFKGSSEB NTMVPKNCYVSQQLKPPFPFGVRIDYVLYKAVSGFTLSCKSPET TTGDFPHRGTPLSDEHLMATLFVRHSPPOQNPSTHGP\AERS PL/MCVCLKEALDGSGLGMA\QARWNA\TFA\SYVIGLGL\LL LALLCVLAAGGGAGEAAILLWTPSVGLVLMAGAFYLFHVQEVNG LYRAQARLQHVLRAREAQDLGPEPOLYALL\LGQOEGDRTKEQ
6962	340	1646	RPWSSPTMKPNPFLRLRIFNLCWGIPTLSEKRRADRMRLGDPL NQESFDLALLEEVWSEQDPQYLRQKLSPTTYPAAHHPFSGTIGSG LCVPSKHPHQELTQHTYTLNGYPTMIHGGDNFSGKAVGLLVHL SGMVLNAYVTHLHASYNRQKDIYLAHRVAQAWELAQFIHHTSKK ADVVLQGDLMHPEDLGCCLLKEWTGLHDAYLETRDFKGSSEB NTMVPKNCYVSQQLKPPFPFGVRIDYVLYKAVSGFTLSCKSPET TTGDFPHRGTPLSDEHLMATLFVRHSPPOQNPSTHGP\AERS PL/MCVCLKEALDGSGLGMA\QARWNA\TFA\SYVIGLGL\LL LALLCVLAAGGGAGEAAILLWTPSVGLVLMAGAFYLFHVQEVNG LYRAQARLQHVLRAREAQDLGPEPOLYALL\LGQOEGDRTKEQ
6963	374	2618	RVTPILILKLLKPKTAENQKASEENEITOPGSSAKPGLPCLNF EAVLSPDPALJHSTHSLTNSHAHTGSSDCDISCKMTERIHSIN LHNTSNVLETLNQRMNGHFCVTVRIHGSMLRAQRCVLAAGS PFFQDKLLLGYSIDIEIPSVVSQVSQKLIIDFMYSGVLRVQSSEA LQILTAASILQIKTVIDECTRIVSQNVGDVFPQIQDGGQDTPRG TPESGTSQSSTDSGYLQSHPOHSVDRIYSALYACSMQNGSGE RSPYSGAVVSHHETALGLPRDHMEDPSWITRIHERSQQMERYL STTPETTHCRKQFRPVRIQTLVGNIHIXQEMEDDYDYGGQQRVQ ILERNSEECTBDTQABGTSEBPKGESFDGCVSSSICTRPDSV EQQFOPGAARDSQAEPTQPEQAAEAPAKGGPQTNQLTGASSPR RSNEVEMDSTVITVSNSSDKSVLQQPSVNTSICQPLPSTQLYLR QTETILTSLRNPFLTSTNTQVIGTAGNTYLPALPTTQPAGSGPK

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			PFLFSLEQPLAGOOTQFVTVSQPGLSTFTAOPLPAQPLASSAGH STASGGQGGKKPTECTLCNKTFTAKQYVVKMFVHTGKPHQCSI CHRSPLSDYLIK\HMVHTGVRAVQCSICNKRPTQESSLNVHM RLHKGESYBCTICKKFPHKTLLEHVALHSASGTPPAGTTP GARAGPPGVVACTEGTIVCSVCPAKFDQIEQFNHDMRMHVSDG
6964	1	178	SGRPFPPFFPSNTDVYFIKKVTRNFTAGSSYRNRMKSIGILL QIFIG\WCSMFLVI
6965	757	208	NVFIEPHIQGFPHKTSAHPGQKHPPDSMGLLPFLAALVCSGGS SGSLGYNLPONH\GLLGRTLVLLQCMRRLSPFLCLDRSDPFP PQKVEVSQLQIA\QAMSPLYDVLLQVNPFSKALL\CMNEHDL PGPTPHFTSSAAGTGDLLGAGDORRRSNGQWVBGSTLALRRY PQESISTLE
6966	820	1867	LITALGVRRMPCPCPGOGMAGPRLFLTLALALELLGRAGGSQP ALRSRTATACRLDNKESSEWGAISGERLDWNCISLGSIMVG LSGVPLLVIPLEMGTMLSEAGANRLKQLLSFALGGLGVFL HLLPRAWYTCSASPGGEGSQLQQQLGLNVIAGILITFLALEK /HVPQGGGGDQPGPQRPBCCCBRAQWRFLSGPACCRARPRC GP\DIKVSYLMILANTIDNFTSLAVASPLVSKIGLITMA ILLIRIPHEVGDPAILLRAGPDWSAAKILQSLTALGGLGAGPA ICTQSPKGVSEETAANVLPFTSGGPLYIALVNVLPDLLREDFW
6967	162	633	GFLPPKYMILDSASSRMETDCNPMELSSMSGFREGSRINGPFG TMDKMRLEBARAVNDVLPVAVNNMFSKSLRCADDVAYINVTX ENRYCLELTRAGLVVGYAFDQVDDHLQTPYHSTVYSLDLT\ SPAYREAFGR\LLQRLKALKRQGS
6968	1	2265	RGGGGGRGGPGAREREPGEPTNRAAAGGRGCPQHPGLQRT LEQPHLSMSBLGGPAAPFSAWAQRAYKESAKEAGAAVPAFV PAATEPPFVHLPAIQPPPVLPQPFMPSPDRSTERCBTVLEGE TISCFFVVGGERLCLPQILNSVLRDFSLQQINAVCDLHIYCSR CTADQLEILKVMGILFFSAPSGLITKTDAERLCNALLYGGAYP PPCKKLLAASLALGLKLSERSVRVYHE\CFGKCKGL\LVPLYS SPSAACIQCLD\CRIMYPHPKPVVHSHKALNRTCHNGF\DSA\ NWRAYILLSQDYTGKEBQARLGR\CLDDVEKFDYGNKYKRVVP RVSSBPASIRPKTDITSSQSPAPSEKDKPSSWLRTLAGSSNKS LCCEHPRQRLSAPFWSPAVSASEKRLSPHLEALIRDSFTSYKS FETAVAFHVALAPPAQKVVSSPPCAAASRAPEPLATCTQPRK RLTVDTPGAPETLAPVAAPBKDKDSEAEVSESRERTSSLS LSSPSTSSSADLGS PGARALP3AVPDAAAPADAPSGLRAL EHLRQALEGGLDTKEAKEKFLHEVVKMRVQKEKLSAALQAKRS LQBLEFLVAKKELREATEAKRNLKKEIRLRAENEKKMKEA NESRLRLKRLBQARQAVCDKGCAGRLRARYSAQIEDLQVKL QHAEDRBQLRADLLRREAREHLEK\VVK\ELQEQLVPRARPE AAGSEGLAAKLEP
6969	1855	118	AGTMHGLKVTSEHQAEAKRLREBQKLNLYQSATQAVFQKRA GELDESULELTSQILGANPDATLWNCRRFVLQOLETQKSPZL AALVKARLGFLESCLRVNPKSYGTWHRWLLGRLPEPNWREL ELCARPLEVDERNFHCWDYRRFVATQAAVPPARELAFTDSLITR NFSNYSSNHYRSCLLPQLEPQFDSGPGRLPEDVLLKRELQVQ APFTDPNDQSANFYHRNLLGRADPDALRCLHVSREDACTVSP SRPLLVGSEMEILLMVDSDPLIVWRTPDGRNRP SHVWLCOLP AASLNDQLPQHTFRVINTAGDVQKECVLLGROGWCNCRDSTDE QLFRCKLSVERSTVLQSELESCKELQELEPENKNC\LTITILM RALDPLLYERETLQYFQTLK\ANDPKRATY\LDLRSKFLLENS VLKMEYAEVRVHLAKHDLTVLCHLSQQLLVTHLDLSHNRRLTL PPALAAALCLDPPFPT\VLQASDNATESLDGVTRLPHLQELL CNNRLQQPAVLQPLASCPRLLVLLNLQGNPLQAVGILEQLARLL PSVSSVLT

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6970	3	1538	<p>SPPPLSSPSAVGEGKVAARPCPGRSECARARMAYIQLEPLNR GFLSRISGILLCRWTCRHCCQCYESSCCQSSSEVBILGPFPFA QTTPMIMASESSDKDGSVHTASVPLTPTNTSPDGRSSSDTS KSTVSLTRISLSESRPSSPLIDIKPIBFGVLSAKKEPIQPSV LERTYNDDYPRKPEPHLYSLDSNDDVDSLDEILSKYQLGM LEPSTQYDLLENHLTVFVIEARDLPPPISRDGSRCQMAHSNPTV KICLLFDQKSKQTGVRRKTQKPVFEERYTTFEIPLEAQRRTLL LTVVDPDFKPSRHCVIGKVSVPKCEVDLVKGGHNNKALIPSSQNE VHLEGLLLSLHYLPSAGELNVDVIRAKQLLQTDVSGQSDPFVKI QLVHGLKLVETKCTSLRGTDIPFYNSPSPKVPQERLENASLV FTVFGHNMKSSNDFIGRIVIG\QYSSGP\SEPHHWRRLNTHRT AVQWHSLSRABCDRVSPASLEVT</p>
6971	37	3702	<p>ACFYVPGSRSPKLI PRHGLVNMGRSGKLPQGVSAKLRNKKCHS SDSNPAICRRHQARSRRFSRPSGRSDITVDVAVKLHNLQSGSL RLGKSRAPETPMEEBAELVLTEKSGTFLSGLSDCTNVTFSKVQ RFBESNSAAHKEICAVLAAVTEVIRSQGKRTREYFAALIRRA AQHGVCVSLKGSHPMFKAFAHHPAAISTAKFCIQRIKSGGSK BATTTLHMLTLLKDLLPCFPBGIVKSCSETLLRVMTLSHVLVTA CAMQAFHSLEAPRGLSTLSAEIQAQITATLYDVVPSRNDLQPL LAWLVMEKHAHNLVRLQNDLGLGHLPRFFGTAVTCLLSPHSQV LTAATQSLKEILLKCVAPHMADIGSVTSSASGPAQSVAMFRAV EEGLTYKFAANSSVLQLLCVFPEACGRQAPVVRKCLQLCOL RLSPHPTAALDOAVGAATSMGPVVVLQAVPLEIDGSBETLD FERSWLLFVIRDHVQETRLGPFPTYFLPLANTLKSANDLAQAG STVESKIYDTLQNMNTLLPGFCTRTDVAISPKGLARTLGMAI SERPDLRVTVQALRTLITKGQARADRAEVSRAKNFLPIILFN LYGQPVAAAGDTPAPRRVLETITRTYLTITDQLVNSLLEASEK VLDPASSDFTRLSVLDLVVALAPCADEAASIKLYSTIRPYLESK AHGVQKXAYRVLEKVCASPQPGALFVQSHLEDLKKTLDSLSRS TSSPAKRPRILKCLHIVRKLSEHKEFITALIEVILCTREVS GARKNAPALLVEMGHAFIRFGSNQRRALQCYLVLIYPGLVGAUT MVSCSILALTHLLPBFGLMGTSTVBQLLENVCLLASRTDVB KSAIGFTIKVAVTVMDVAHLAKHVQLVMEAGKLSDDMRHFRMK LRNLFT\KPIPR\PGILTGWKAVGPKYHRVLMNTRKARAK RHRALSQAABVEKEEEEEEREPAGGKDSIBETLADSRDEEDNE EERSRGKQKRLARQSRRAWLKEGGDEFLNFDLPKVAQRVLA TQPGPGRGRKDEHSFKVSADGRLIRREADGNEMKEEBGAKGED EEMADPMEDVIIRNKHQQLKQKBARSEELIPPOYQAGSGSI HRFPAKAMPAGAEYKAKKAGDVKKGRFPDYATIPINRSKLR RKMMLQGGFAGLVKAAQRSGSQVGHKNRRKDRRP</p>
6972	2179	973	<p>PGGAILLPLMHTRPREATVPRGAAQGRARSABGRIPSSQSPS PAEAGGATRSPPPRPPARPAPGSAAPPLLRSDAGPGATVSA AAATERARRGATMGALSTLGHMVLFPVWFLYSLMLKLPQRSTP AITLESPIKYPLRLIDREIISHDTRRPFALPSPQHLLGLPVG QHIYLSARIDGNLVVRPYTPISSDDDKGFVDLVKIVYFDTHPK FPAGGKMSQYLESMDIGDITIRFGPSGLLVYQGGKFAIRPDK SNPIIRTVKSVMLAGGTGITTMLQVIRADMDPDHDTVCHLLP ANQTEKDI LLRPLEKELEKHSARFKLNYTLDRAFRANDYQGQ\ FVNEEMIRDHLEPPB\EBPLVLMCGPPMIQYACLPNL\DHVGH PTERCFFV</p>
6973	1	1964	<p>LQPRCAHRLRAQKGRPAAGVDAMVLCVIGKLLHKRVVLASA SPRROBILSNAGLRFVVPSPKFKELDKASFATPYGYAMSTAKQ KALEVANRLYQKDLRAPDVVIGADTIVTGGILLEKPVDRQDAY RMLSRFE/SGREHSVFTGVAIVHCSSKDBQLDTRVSBFYESTKV KFSKLSRELLNRYVHSGEPMDKAGGYGIQALGMLVBSVHGDFL NVVGFPLNHPCKQLVKLYPPRPFEDLRRSVKHDSTPAADTFEDL</p>

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			SDVEGGGSEPTORDAGSRDEKARAGAGQATARABCHRTRETLF PPTRLLEKLEIEGPMISKGLLTACKLVFDLLKDEAPQKAADIAS KVDASACGMERLIDICAMGLLEKTEQGYSTETANVYLASDGE YSLHQFIMHNDLFWNLFTYLEFAIREGTQHHEALCKRAEDLP QDAYYQSPETRLRFMRANHGHTKLTAQVATAFNLSRFSSACDV GGCTGALARELAREYFEMQVTVFDLPDIIELAARFQPPGPQAVQ IHFAAGDFPRDPLPSAEVLYVLCRILEDHWPDDKVRKLLSRVAESC KPGAGLLLVETLLDEKKVAQRALMQSLMVLVTEGKRRLSIEGY QCCLLEHGFHOVQVHLLGGVLDAIL\PPKNPPBAQAACSL
6974	3082	2172	RECAAPASPASRPPLPAPPGSHRSPFGSVATSQAQCALSVRK LLAARPGIGTKYQATHVYKTLFALCILTACWRVQSLEPTAPLSV SLPTINIVPPTTIWTSFPTDADTASPSHGTNNVLPVTASAP TSLLPKNISIESREERITSPGSHWGTNTDPSGPSSTSGGVH LTTTLEHSLGTBRAGVAATLSQSAARPTLISQAPASSPSSL STSPPEVFSASVITNHSSTVTSTOPTGAPTAPESPTRSSSDHT PTSHATABPVQKPTPTTVSGKVMCELIIMET\PPPPPG RPRPTVHCCNALKLSTAMETLINVFAHSGKEGDKYKLSKKEL KELLQTELSGFLDVKELML*ATEALKTPBEA*KEPIIQCSSRS SLPPAPQPPPYL*LSAVPPFIHLPLPLPQAQKDDVDAVDKVMK ELDENGDEVDQRYVVLVAALTVAACNFFWENS
6975	2	500	GCQL*VAYGTTENSFVTAHPPEDTVEQKAESVGRIMPHTARI MNMEAGTLAKLNTPGELCIRGYCVMLGYNGEPQKTEBAVDQDKW YWTGDVATMNEQGFCKIVGRSKDMIIRGGENTYPALEDPFHTH PKVQEVQVGVKDDRMGEETCACIRLNDGERTTVEETKAPCKGK ISHFKIPKYIVFVNTYPLTISGKIQKPKLRQMERHNL*IKQQ ACPGRLA
6976	1216	970	SLPINTNLLSNQIRKTSFGMCSEFISDNTHDQKGLKTPDFA*R ANKKSKHIVNGNRTVBPPFGTQMAVFGMGCPWAGRRKFWVLKG VYSTQVGFAGGYTSNPTYKEVCSEKTHARVVRVVYQPEHMSFE ELLKVFWNEHDPQGMRCQNDGRTQYRSATVPTSAQMRALSS KENYQKVLSEHGPGPITTDIREGQTFYIADTHQQYLSKNPNGY CGLGGTGVSCPVGIKK
6977	1298	588	SPFFRDSRRCCCKGSLRHITAVAMVKLSKRAKRLQQLFKGSQ FAIRWGFIPLVITYLGFARGADQMPPTVLSLLNG
6978	3	242	DEARVRGEAVAAAILSECRHWSGFPFPFPPSPDREKLGTEPNE AGPGSGATPGARAMDVRLKVNELREELQRRGLDTRGLTELAE RLQAALAEAEFDDERELADDEGRPGHINEVEYTEGGSLEGT AQPPPPGLQFHAEPGGYSGPDCHYAMENITRONQFYDTQVIKQB NESGYERRPLEMEQQQAYRPEMETEMKQCAPTSFLPPRASQLKP DRQQPQSRKRPYKENRGROYFEHREDRGRSPQPPAREDEDDFD DTLVAIDTYNCDLHFVARDRSSGYPLTIEGFAYLWSGARASYG VRRGRVCFEMKINEEISVKHLPSBPDPHVVRIGWSLDCSTQL GREPPSYGYGGTCKKSTNSRPFNYGDKFAENDVIGCFADPFCEN DVLSPTKNGKWMGIAFRIOKEALGGQALYPHVLVENCAVEPNP GORAPYCSVLPGFTFIQHLPLSERIERTVGPESKAECSILMHV GLEPAAGKTIWAKHAASNPSKEYNLTGNAIMDKMRVMGLRRQR NYAGRNDVLIQATQCLNRLIQIAARKRRNYILDQTNVYGSQR RKMRPPEGQKRAIVICPTDELDERTIKRTDEBGKDVPOHAVL EMKANFTLPDVGDFLDEVLFIELQREADKLVRQYNEBGRKAGP PPEKRFDRNGGGFRGRGGGGGQRYENRGPPGGHGGGPNRGG GSGGGGNYRGGFNRSGGGYSNRMGNNRDNNSNNRGSYNRA PQQQPPQPPPPPPPPQPPPPPSYSPARNPPGASTYNKNSNI PGSSANTSTPTVSSYSPQSGFFPSTFPQSYSPPPYNQGGYSQ GYTAPPPPPPPPAYNYGSGGYNPAPYTPPPPPPTAQTYPQPSY NQYQQYAQQWQYQNCQWPPYQNYDYGSYSGNTQGGTSTQ
6979	3917	1146	GTRGRKTGRVAAPSTRRTTGNMQLQTRSPAMSLSDPGLGYHTT
6980	1	420	

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			CMTLRWPLCSLHALHVPFCLFSSRLGTPVSPRLANDPNCSCRA GGSCACAGSCKCKCKCTSCRSKSCSCCPLGCARCAQGCICKGA SEKCSCCA
6981	10	1054	PGRGFRASLRPAFAARGVPGGGLGQAKQARTRACAALPTPHPS APRLLEPQGVPSLPPPPGPFWMILTKAQYDRIACQLVSVFPT RQSLRLKLRQRFPSQSQATLLSIFSQBYQKHILKTHAKHTSEAI ESYYQRYLFGVVENGAAPVLLDLANEVDYAPSIMARLIILERPLQ EHEBTPPSKSIINSMRLDPSQIPDGVLANQVYQCIINDCCYGPL VDCIKHAGHEHEVLLRDLLEENLSPLDEDLRANGYDKTDFD ILQVPVAVEGHIIEWIESKASFGDECSHAYLEDQFWSYNNRPG PGLVIYWGPIQELDCNRERGILLKACFPPIIVTLCHSIA
6982	153	1285	FFQDDCSAPAAPGLAGSEPRRLRAYRRRRQARGLKRVANLAPP PSLLQGLQGWAAQPVDTLGPEDSRASSPMIQNSRPSLLQPDV GDTVETMLHPVTKAPLCSSISGTCSTLLPQPLDLKTRLOTLQ PSDHGSRVGMALVLLKVVRTESSLGLHEGMSPSIVRCVPGVGI YFGTLYSLQVPLRGHPPTALESVMIGVGSRSVAGVCMSPITVI KTRYESGKYGYESIYAALRSIYHSEGHRLFSGLTATLLRDAPP SGIYLMFYHQTKNTVPHDQVDATLIPITNFCGIPAGILASLVT QPADVIRKTHQLYPLKFWIGQAVTLIPKDYGLRGFPQGGIPRA LRRTLMAMANTVYEHMAMKMLE
6983	82	773	ENSFLQDPSPTMGWMSIGAGALGAALALLANTDVFLSKPQK AALYLEDDIDLEKLEKEPTPKAKILNEKNGAVIMAVRRPCCFL CRERAADLSLSKMLDQGVPLVAVVKEHRTVQDPQPYFKGR IFLDEKKKPYGPPORRMMFMGFIRLGWYNNFFRANNGCFSGNLE GEGFILGCVPVVSGSGKQILGHEHRRKEFGDKVNLVLEAKMI KPQTLASEK
6984	1845	1282	GGREAYSLPAGSLPRVPATAAARMASGVQVADVCRIFYDMKVR KCSTPESIKRKRKAVIPCLSAKKCIIVEBGRKILVGDVGVTIT DPFKHFGMLPEKDCRYALYDASFETRKRKEELMPLWAPELA PLKSKMIYASSKDAIKKPKQGIKHECQANGPEDLERACTAEKLG GSLIVAFEGCPV
6985	1887	1324	RRTAGIYPCFPKGRTRHALCSVVLLLTGQLAFDDPQESCAMM WQKTAGSRSSMPLGARILPBGVVPYAGGPAIVVYLIQKPHSRALY YKLAVEQLQSHPEAQEALGPPLNTHYLLIDRENFDIVDAKLE IPVSGSKSEGLLYVHSSEGGPPQRWHLDEVFLKLEDGQQIPVFK LSGHEGDEVKKE
6986	642	1350	YHLYFMEDPNSRKKQALNRLRAQLRKKKESLADQPDFKMYIAF VFKEKKKKSALFEVSEVIVMTNNYEENILGVRDSYSLESLL ELLQKDVVQLHAPRYQSMRRDVIGCTQEMDFILWPRNDIEKIVC LLFSRWKESDPPRPVQAKFEPHEEDYEKDFLHVLSREDEKTV VNNFNQSVFLFIDROHLQTPKPKATIPKLCSICILYLPQSLTEN AVGTIEDHLRPFYME
6987	1623	341	LEAARKASRAPIKESQRQTDSEKNEYETENWSPOKSQRRYDMYTAC PLGEIEVGLYTIQILQLTPPFHKEKELSKKHMVQFLSGKWTIPP DPRNBCTILALS KFTSHLKNLQSDLERCFDFFIDYVLLKMRYTQ KETABIMLSKKVSRCPKYTELPCHLDPCILQSESSQLQRENC RKLEALRADRFAGLLEVLNPNYKDATTMESTVMEYAPLLQONS KRPWINEKQNSILANIILSCLKPNKLIQPLTTLKQLREVLP VGLSHQYPGPYFLACLLFWPENQELDQDSKLEKYVSSINRSFR GQYKRMCRSKQASTLPYLCKRKLNSIVHRAKIEQYFDKQNTN SLNHSQDVNKKNEVKDILLRLTGQAGKLLSVETGTEEKIKIPV ISVYSGPIRSGRNIERSVFLGFSIEGPPGL
6988	3	689	TQLLRFPVPGSASGIRSGLSASSGHWCAAGRAHAPVPR LVRGLGAASTAAPQDAQTGQPMPRADCIMRHLPYFCRGQVVRG FORGSKQLGIPANTFPEQVVDNLPAIDISTGITYGWASVGSQDVH KVVVSGWNPYYENTKSMETHIMHTFKEDFYGRILNVAIVGYL

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			RPEKNFDSLSLSLSAIGQDIREAKRRLKPEHLKIKEDNFFQVS ESKIMRGH
6989	2	1118	LMPSDRPLSPSTHASAGSHCHAPPTTARRAPDIPFGSKSNMATL KDQLTYNLLKEEQTPQNKITVVGCVANGMACAISILMKDLADKL ALVDVIEDKLGEMMDLQHGSLFLRTPKIVSGKDYVVTANSKLIV IITAGARQQEGSRLELVQRNVHIFKPIIPFVVVYSPNCKLLIV SNPVDILTYVANKISGFPENRVIGSGCHLSARFYLNGERLGV HPLSCHGWVLGEEGDSVPVWSGMVAGVSLKTLHFDLGTDKK EQWKEVHKQVVSAYEVILKGYTTSWAIGLSVADLAESIMKMLR RVHPVSTMIKELGKIDOVFLSVPCILQNGISDLVKVILTSEE EARLEKSADTLGKIQEELQF
6990	719	258	THASGMASVULALRTRTAVTSLSLEPTATALAVRYASKSGSS KNLGKSSGRQGIKMEGHYVHAGNIATQRHFWHPGAVGV GKNKCLYALKEGIVRYTEVYVPHFNTBAVDLITRLPKGAVLY KTFVHVVPAPKEGTFFELVAML
6991	169	451	RESSDPHNGFLSRFVSLRENHQQVYCSTENKRNPKICLAYL SSLMLTNLNPNESTENQPVDAWAFITLQDEFLTYACVEGTCLP CGRHVH
6992	944	510	RQAPGCSLALRQVRQVYQGLVRAPQVQTRPLSSRFVERRGALY ESPMDQENPPYFGPGFTAPYPPYPPQMGCPMGGGPTFPFGGY PYQGYPOYGNQGGPQBPPTTVTVVVEDQRRDELGPSTCLTACWT ALCCCLMDMLT
6993	1	374	QWCVTCPOHNAQGFAPVPGIQAYGAAPPEDLQVDFTMSKCRG DRVWIKDWNVASLCPLWKGPGQTWVLSPPTAIVVEGIPAMIRHSH VKPAAREBTNEARPSPDNPFVTLKKTTSAPVTPGS
6994	346	1100	QWPEKDFVMAASSISSPFGKHVFKAILMLVLALLHLSALAQR RDPAPPQQKREAPVDVLTQIGRSVRGTLDANIGPETHLVSES SSQVLMNASSAISVAFALSGIARQLNALGAGDYLQGLKLS PGQVQTFLLWAGALVVTWLLSLLGLVLALLGRILNGLKLVIF LAGPVVALMRSVPDPSTRAILLALLLLYALLSRLTCSRASGAQL EAKVGLERQVEELRWEQRRAAKGARSVEE
6995	144	1346	GSVAVGLSGIMAAQKDLWDATVIGAGIQGCTAYHLAKERRYL LLEQFFLPHSRGSSHQSRIRKAYLEDFTYTRMHECTQINQQL EHRAGTQLRQTGLLLGMEKQELCTQANLSRQRVHQCLSS EELKQRFPPNIRLPAGEVGLLNSGGVIYAKALRALQDAITRLG GIVRDGKVVETNPGLVTVKITSRSYQAKSLVTTAGPWTNQLL RPLGIEMPLQTLRINVCYWRHVPGSYGVSQAPPCFLNLGLCPH HITGLPTGTYPLMKVSYHKGHADPEERDCPTARTDIGDVQIL SSFVRDHLFDLKPEPAVIESCMYNTNTPBQFILDHHPKYDNIVI GAGPSGHQFLAPVVGKIYELSMKLTSPSYDLAPPRISRFPSSLO KABL
6996	543	1942	ETANABAAARKSAMQWKEVLRRRIATPNTCPFKKSEQKLDER MDLFTKYSENKGRKNTNEFYETIPRYYRLPAKNEVLLQKLR RESRAVFLQKSRLELLNRELONLWLLDRIHQTPPMIGERAMIN YESFLKVGKAGAKCEQFPFAKVFALLHTDSYGRISIMQFPNY VMKVNLRQTRIGLSLYDVAGQGYLRESLENTYILELIPFLPOL DGLKSFYSFYVCTAVRKFFFLDPLETGRIKIQDILACSPLAD LLELEDEBLSKESQHTNWPAPSALRVYGYLMLDKHNGMLSK EELSRYGATMTNVFLDRVFOECLTYDGEWDYKTYLDFVLALEN RKEPAALOYIFKLLDIEKGYLVNVSINYYFRAIQELMKINGOD PVSFQDVDEIFDMVKPDKFLKISLQDLINSNQGDTVTTILIDL NGFWTYENREALVANDSENSADLDDT
6997	370	1104	AMELTIPILRLAIYILTPPLYLNLFLGLWSWICKKNFFYPLVRP TVTYNEQMASRKRELFSNLQBFAGPSGKLSLLEVGCGTGANPKP YPPGCRVTCIDPNEFEKPLKSIAENRHLQFERFVVAAGENMH

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			QVADGSDVVVCTLVLCVKNQERILREVCRVLRPGGAFYFMEH VAAECSTWNYFWQVLDPAHLLFDGCNLTRESWKALERASPSK LKLOHIQAPLSWELVRPHIYGYAVK
6998	2	616	PVSRALYLRVSRRHPAEREAAPGERFEDAPLECPGATNCPRLMC SHLPVPYAPPTMESRGKSASSPKPDTKVPQVTEARVPPADGK APLTPSKKRPAKQPPAAPTAPAKETSADAPALLNHN LKPAPTVPSSPDATPEPKGPGGAERDEAASGPGGGPWSN FNPILLVAGGVAVAAIALILGVAFVLRKK
6999	14	1591	GRAGACSRRTAMSTRESDDVIRLIMQYLKENSILHRAATLQ ETTSLATVDSIESFVADINSQHWDTVLOAIQSLKLPDETLIDL YBQVVLRLIKRLGAARSLRLQTDPMIMLKQTQPERYIRLENL LARSYFDPRAYPDGSSKEKRRALALQALACEVSVPPSRIMAL LGOALKNOQHGLLPPGWTIDLPEKAAVKDVEEEKFTQLSEH IKPGQKEHVSCARPSPDGQYLVTGSVDGFIENVNFTTGTIKDL KYQAQDNFMNDDAVLNCFPSKDTMLATGAQDGKIKWKIQSG QCLRRFERAHSKGVTCLSFSDSSQILSASFDTQIRLHGLSEK TLKEFRGHSSFVNEATFTQDGHYIISASSDGTVKIMNMTTECS NYFSLIGSTAGTDITVNSVILLNPNPEFVVCNRSNTVVMNQ GQIVRSPSSGKREGGDFVCCALSFRGENIYCVGEDFVLYCFSTV TGKLERLTVEKDVIGIAHHPHQNLIATYSEDGLLKLKRP
7000	2	827	GGGVVFLHMESEGPESERSEFPFSQREERENREERAEQSPRTGP KNPILQPALTGDEGLQKIFEDPENPHRQAMQILLLEEDIVGRN LLYAACMAGQSDVIRALAKYGVNINEKITRGYTLHCAAAGRL ETLKALVELVDVIEALNFRERARDVAARYSQTECEVEFLDADA RLTLKYLAKVSLAVTDTEKSGRLKEDKNTILSACRAKNEWL ETHTEASINELFEQRQLEDIVTPIFTMTTPCQVKSASVTS DQKRSQDDTSN
7001	2056	844	RRCLYLAPLKGCFIPIYPIPIPETEFLSCCPGWSAVAQSRILAN FASQVQAIPTLPKDSQVGPVKSAAAPKRALYESVFGSGRICGP TSFKRLCIRPSEFVDAVVVSVKHDPLPLPRANGHRSNTSPTI VSPAIVSPQDSRPNMSRPLITRSPASPLNQGIPTPAQLTKSN APVHIDVGGHMYTSLATLTYPESRIGRLPDGTBPVLDLSLQ BYFIDRDGQMFYILNPLTSLKLLIPDDPKDYTLLEYEAKYFOL QPMLEMERWKQDRETGRPSRCPCLVVRVAPDLGERITLSGOK SLIKRVPPFEGDVHCVNAGNNDSTHVRFPFLGCHLSVQ VLRLQQRGFPIVSGCGGVDSQFSBYVLRRLERLTPRVPSVI RIKQEPDL
7002	1043	498	PMPSSSTRWITS*TYTDTSSAMACRPTTGTCT*TAAPGPTVRWNP TPCSRHQSRRLTCNCSTSRPCGR*GGLCVRTAPTRPTTSASS SWTSAGTSNPAGRRGTATSGTATTSVWPGCGTRMNSTQWSSV PRRSCCSRPATTPPSKPGAPHAPCASSRHLAHLAPSSGLAPA RGAEVC
7003	818	61	QCRFRAPCNQDQFLQPPGRLSALLALASKVTLPPHYRYGMSPP GSVADKRNPPWIRRRPVVVEPISEDEWYLPQGDVTELLBGDA GKQGEVVQVIRQRNWWVGGLNTHYRYIGKTMQYRGTMIPSEAP LLHRQVQLVDPMOKPTEIWRFTAGERVRVSTRSGRIIDKPB FPRADGIVPEIWDGPKDTSVEDALERTYVPCLKTLQEEVMEAM GIKETR\NTRRSIGIBPCABQLLPNFCPSLEG
7004	121	2285	FLLPVLTSRSLRQPAVPHARLGGVEPAMKBARAKTPRKPTVKK G\PKRTLKTQLG/YICVRPLGFPDQECCEVINNTTVOLHTPE GYRLNRNGDYKETQYSFKQVFGTHTTQKELFDVVANPLVNDLIH GKGLLFTYGVGTSGKTHWTGSPGEGCLLPCLDMIPNSIGSP QAKRYVFKSNDNRMSDIQCKVDALLERQKREAMPNDKTSSEKRO VDPEFADMITVQEPCKAREVDEDSVYGVFVSYIRIYNNYTYDLL BEVPFDPINPNLNLNCPVKIKNNHMYVAGCTEVEVKSTERAFE VFWRQKKRRIANTELNRSSRSRSHSVFNIKLVQAPLDADGDNVL

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			QKKEQITISQLSLVDLAGSEKTNRTAEGNRLREAGNINQSLMT LRTCDVLRENQNYGTNKPVPYTRDSKLTHTLPKNYFDGEGKVRMI VCVNPKEADYEENLQVMRFVTVQVEVARPVDEAICGLTPGRR YRNQFPGP\IGWEPVTVVQLQSFPPPLPSCRILOINDEQTLPLR IEALEKHHNLQMMIDEFNKQSHAPKALLQKPDNAVLSKNNHQ GKLNEKKKMLSGQKLSIBERLEKKKLTLEYKIBILEKTTTLYBED KRNLLQBELTQKQLQKQPSDERREARLQGMVTETTMKEKEC ERRVAARQLEMONKLVVDEKELQKLAIVTEPETKPERPSRRR DREKVTORSVSPSPVPSYL
7005	63	876	KNMALYQWECRLRQLQACRLHTAVVSTPPRWLARRYGLFBR WAAQVRLASMAQKEPRTIKLSLPGGQKIDAVANNTPYQLARQ ISSTLADTAVAAQVGEFPYDLERPLETSDLRPLTDPSPGKAV FNHSSTHVLGAAABQPLGAVLCRGPSTFYGYHDFPLQKERTIR GSELPVLERICQELTAAARPFERLEASRDQLRQLPKDNPFLHL IEKKVTGPTATVIGCGTLVMLCQGFHLRHTGQIGGLKLLSNSS LWESSG
7006	22	898	NAFGRHSFAVKMAAAWQLVFLVILLGAHPSPLSPFSAGPAT VAAADRSXWHIPISGKNVPSFGKILFRMTTIFLXFDGEPCLLS LNTTWYLESADCYNHTYNFKAREVELYLEKLEKRGLSGKYQTS SKLPONCSSELPETQTFSGDFMERLFLGRKQEAKEKNOTNLTFIO DKTAMREPLQWQDAPYTFIVHIGISSRESSKENSLSNLEFMT VEVKGPFYTLTLEDYPLMIFFNVCIVYVLPGLVHLAWSACYWR DLRLIQFWIGAVIFLGMLEKAVFYAGFO
7007	2	1001	AMTVSGPGTTPRPRPATPGASSVQRLKEGNELPKCDYGGALAA YTQALGLDATPDQAVLERNRAACHLLEDYDKAETZASKAIEK DGGDEVALYRRSOALEKLRDLQAVLDLQRCVSLPENKVFQEA LRNIGGQIQEKVRYMSSTDAKVSQMFQILLDPBEKGTERRKQAS QNLVVLAREDAEKKIPRSNGVQLQLRLDMGBTDLMALARTL VGICSEHQSRVATLSILGTRRVVSLGVESQAVSLAACHLQV MFDALKEGVKKGPRGKGAIVGKNQVWGLLDVTVMSGMSLSQ PGQFFGDQTCSCRLPGIRPGDITLL
7008	70	1478	CRSALGHERPPPAHLPGGRRITQTCPRSCRWLGRPPSGLPFGPR SPPPLAGPGQRMVQKXPARELQGFHRSFKGNPPFLAPSLDQPDH GDSEDFGLQCSARPMPASQPIDIPDAKRRGKKKRGRATDSFSG RFEDVYQLQEDVLGEGAHARVQTCINLTTSQETAVKLIERQPGH IRSRVFRVEMLYQCQGHNVLELIEFFREEDRFYLVFERMRGG SILSHIHKRRHFNLEASVVVDVASALDFLHNKGLAHRDLKPE NILCEHPNQSPVKICDFDLGSGIKLNGDCSPISTPELLTPCGS AEYMAPEVVRAFSREASYDKRCDLWSLGVILYLLSGYPPFVG RCGSDCGWDRGEACPAQNMPLFESIQEGYEFPPDKDWAHISCAA KDLISKLLVRDARQLSAAQVILQHPVQGCAPENTLPTPMVLQR WDSHFLPPHPCRJHVRPGGLVRTVTNR
7009	1	626	ARQLRNSWVDDFVAAPLIPLSQIPTGNSLYESYYRQVDPAYTG RVGASEAALPLKRSGLSDIILGKINDLADPEGKGFLDKQGYVA LRLVACAQSGHEVTLSNINLSMPPPKFHDTSPLMVTTPSAEAH NAVRVEEKAEPDGI FESLLPIBGLLSGDKVKPVLMMSELPLDVL GRVNDLSDIDKQHLVRDEPAVAMHLVYRALE
7010	79	571	SHTRRAVVPETLLSPLCPFLGGGTAMSGGEQKPERYTVGVVGT GSVRAALVDQSGVLLAFADQPIKNWEPQFNHHEQSSSEIDNAACC VVTIKRVVQGIDINQIRGLGFDATCSLVVLDKQPHPLPVNQEGDS HRNVIMWLDHRAVSQVNRINETKHSVLQYVGG
7011	3	994	RIQTLPNQNSQTPFLKTPPAVLQPIAPQTTFGVQTPQPOPSL LQAQISAASITFLQTPQPLIQPQKAGLLQPPVRIVSQPPQ ARRLDPPSRPSGRNDRGQVFNREDDRSRERERERRSRERSPO RKRSRERSPRERERSPRVRVVPRTYVQFSKPSLDCPSDDMM ELRRRYQNLXIYPSDFDAQFTWDAFPLSRPFLGNYCNFYVMH

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			REVESLEENMALLDPPDADHLYSARVMINASPSMEDLYHKSCAL AEDPQELRDGFGHPARLVKFLVGMKGKDEAMAIGCHWSPSLDGP DPEKDPVLIKT\AIRCCKALTG
7012	1	2661	RRAGSVKRGEARLFGPTTERQSERPLRPSAARRPEMLSGKAAAA AAAAAAATGTGAGPGTAGGSENGSEVAAQFAGLSGPAEVGPGA VGERTPRKKEPPRASPPGGLAEPFGSAGPQAGPTVVPGSATPME TGIAETPEG\RTTERRRERARVYREMDSELANLSEDEYYSEER NAKAEKKKKLPPPPQAPPPEENHSEPEEPGSGVEGAAPQSRLPH DRMTSQEAACFPDIISGPOQTQKVFLFIRNRTLQWLNDNPKIQL TFEATLQQLAPYNSDTVLVHRVHSYLERHGLINFGIYKRIKPL PTKKTGRVLIIGSGVSGLAAROLQSPGMDVTLLEARDRVGGRV ATFRKGNVADLGAMVVTGLGGMMAVVSQVNMELAKIKQKCP LYEANGQAVPKEKDEMVEQENRLLRATSYLSHQLDFNVLANKP VSLQALEVVIQLQERHVKDEQIEHNKIKIVTQBELKELLKRMV NLKEKIKELHQYKEASEVKKPPROITAEPLVSKHRDLTALCKE YDELAETQGLKEKLLQLEANPPSDVYLSRDRQILDMHPANLE PANATPLSTLSLKHMDQDDDFEPTGSHLTVRNGYSCVPVALAEG LDIKLNTAVRQVRYTASGCEVIAVNTSTSTQTPYKCDAVLCTL PLGVLEKQPPAVQPVVPLPENKTSAVQRMGFGNLRVVLCFDRV PMDPSVNLFGHVGSTTASRGELFLFNNLYKAPILLALVAGEAAG IMENISDDVIVGRCLAILEGIFGSSAVPQPKETVVSRRADPNA RGSYSYVAAGSSGNDYDLNAQPIITPGPSIPGAPQPIPRLPFAGE HTIRNYPATVHGALLSGLRAGRIADQFLGAMTYTLPRQATPGVP AQQSFSM
7013	1	2661	RRAGSVKRGEARLFGPTTERQSERPLRPSAARRPEMLSGKAAAA AAAAAAATGTGAGPGTAGGSENGSEVAAQFAGLSGPAEVGPGA VGERTPRKKEPPRASPPGGLAEPFGSAGPQAGPTVVPGSATPME TGIAETPEG\RTTERRRERARVYREMDSELANLSEDEYYSEER NAKAEKKKKLPPPPQAPPPEENHSEPEEPGSGVEGAAPQSRLPH DRMTSQEAACFPDIISGPOQTQKVFLFIRNRTLQWLNDNPKIQL TFEATLQQLAPYNSDTVLVHRVHSYLERHGLINFGIYKRIKPL PTKKTGRVLIIGSGVSGLAAROLQSPGMDVTLLEARDRVGGRV ATFRKGNVADLGAMVVTGLGGMMAVVSQVNMELAKIKQKCP LYEANGQAVPKEKDEMVEQENRLLRATSYLSHQLDFNVLANKP VSLQALEVVIQLQERHVKDEQIEHNKIKIVTQBELKELLKRMV NLKEKIKELHQYKEASEVKKPPROITAEPLVSKHRDLTALCKE YDELAETQGLKEKLLQLEANPPSDVYLSRDRQILDMHPANLE PANATPLSTLSLKHMDQDDDFEPTGSHLTVRNGYSCVPVALAEG LDIKLNTAVRQVRYTASGCEVIAVNTSTSTQTPYKCDAVLCTL PLGVLEKQPPAVQPVVPLPENKTSAVQRMGFGNLRVVLCFDRV PMDPSVNLFGHVGSTTASRGELFLFNNLYKAPILLALVAGEAAG IMENISDDVIVGRCLAILEGIFGSSAVPQPKETVVSRRADPNA RGSYSYVAAGSSGNDYDLNAQPIITPGPSIPGAPQPIPRLPFAGE HTIRNYPATVHGALLSGLRAGRIADQFLGAMTYTLPRQATPGVP AQQSFSM
7014	3	3950	DFEVGDKIRILATLEDGMLGSLKGRGIFPYRFVKLCPTDTRVE ETMALPQEGSLARIPETSLDCLNTLGVBRQHETSDHEARESPD CIISEAPTSPLGHLTSEYDTRNSYQDEDTAGGPPRSPGVWEM PLATDSPTSDPTVVNGIASSQPQVPPHFNLQKSQYYSTVGGSH HSEBQYDILLPLEARTRDYASLPKRMYSQKTLQKPVLPYRGS SVSASRVVKPRQSSPOLHNLASTYKHHSTSVYSISERLEMKPG PQAQGLVMEATBSQGDGSTDLSKLTLQQLIEFEKSLAGPGTEP DKILRHPSIMDPHSEKDIVRSGSKLITQELFERRKALRPFPPE PCTPVTSPHLLVDQNLKAPPLVVRPSRPAPLPSSAQQTNAV SPKLLSRHPTCSTLEKEGPGHMGSLDQTSPCPLVLVRIEEME RDLDMYSRAQBELNLMLEEQDESSRAETLEDLKFCSNIBSLN

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			<p>MBLQQLREMTLLSSQSSSLVAPSGSVSAENPEQRMLEKRAVIR ELLQTERDYIRDLEMCIERIMVPMQQAQVFNIDFGLFGNMQHV IKVSKQLAALRISDAVGPPVFLGHRDELEGTYKIYQCMHDEALA LLEIYEKDEKIQKHLQDSLADLKSLYNEWCTNYINLGSFLIKP VQRVMRYPLLLMELLNSTPESHDPKVPITNAVLAVKEINVNINE YKRRDLVLKYRGGDESLMEKISKLNDSIYKNSRVSSHLAH LTGPAQIIDEVFEETENFRMQERLIRSFIRDLISLYLQHRES ACVAVVAAVSMNDVCMEEGHRDLBQFERYHYISDQLFTNFKER TERLVISPLNQLLSMPTGPHKLVQKRPDKLLDPYNTCTERAELK DKETLEKIQSARNNYBALNAQILDELKPHQYAGGLFTNCVHGY ABAECDPVEQALBQLKPLLSLLKLVAGREGALIAIPHBEHSVLQ QLQVFTFPFESLPATEKPPERKTIHQSAKPLGLLPSYMLQSE ELBASLLARYPPEKLFQABRNFNAAQDLVSLLEGDLVGVIKKK DPMGSQLRWLIDRGVTKGFVYESSFLKPYNPRSHSDASVGSHTS TESERGSSESPFRPNQSGSTLTFFNFN\B\NAVSTSGSCQKQPD DASPPPKEMDQGLTASLNPSNSESSESPSRCPSPDSTSQPSGD SADVARDVKQPTATPRSTRNFRHPEIVGYSVPGRNGSQDLVKG CARTAOAFEDRSTEPDGSRAEGNQVYFAVYTFKARNPNELSVSA NQKLKILEPRDVTGNTENMLAEVNGKRGVPSHYIRKITYT</p>
7015	1842	513	<p>RQAMHE\VAAPSNWEGARLVQSVLRVWQVQGHVABERVIPFSSLL GFQRRCVSCVAGSAPSGPFLASASRSHGQSGALDHPFGSPQDS SVTPCVPVAVSMNRDEQDVLVHEDMPENSERVLRVVLGAPWAG KSTLSNQLIGRKVPFVSRKVHTTRCQALGVI TEREQVILLDTF GIISPGQRKRHHLESLLEDPFWESMESADLVVVLVDVSDKNTN QLSPQLRLCLTKYSQIPSVLVMNKVDCLKQKSVILELTAALTEG VVGKLLKMRQAFHSHPGTHCPSPAVKDPNTQSVGNPQRIGWPH FKRIEMLSALSQEDVTKLQYLLTQAQPGFHEYSAVLTSTQTPB RICANIIRKLLBHLPEQVPYNVQKTAVWEEGPGGELVIQKLL LVPKESYVKLLIGPKGHVISQIAQEBAGHDLMDIFLCDVDIRLSV KLLK</p>
7016	167	2513	<p>ILINAPKPPPPRDSVEAVAAKRDTGGSGWGTMDVSGQETDWRST AFRQKLVSQIEDAMRKAGVAHSKSSKDMESHVFLAKTRDEBYLS LVARLI IHRFDIHNKRSQASVSDPMNALQSLTGGPAGACAGIM PPRGPGQSLGGGSLGANGQPMSLSGQPPPGTSGMAPHMAVVE TATPQTQLQLQVAAAAAATARSSSSSSRRRYBSSSSSSNSKQ FPAQQAQQAQ\QPOA\VVQQAQQL\QQQQQQQHLIKLHEQHQ QIQQQQQQLQRIAQQLQQQQQQQQQQQQQQQAQQAQFPFIQOP PMQPPQPPPSQALPQQLQQMHBTOHQPPPOPPQPPVAGNQPSQ LPQSQQTQPLVSQAQALFGQMLYTOPPLKFPVAPMVVQPPVQPP QVQQQQTAVQTAQAQMWAPGVQVVSQSLPMLSSPSPGQVQTP QSMPPPPQPSPOPGQSSQPNSSVSSGPAPSPSSFLPSPPQPF \QSPVTARTPQNFVSPSPGLTPTVNDPSSVMSFAGSSQAEBOQY LDKLRQLSKYTEPLRRMINKIDKNRDKKLSKMSLLDILTDP SKRCPLTLQKCEIALEKLRNDMAVFTPPPPVPPTKQQLCQP LLDAVLANIRSPVFNESLYRTFVPAMTALHGPPIITAPVVTIRER RLEDDERQSIPIPSVLQGEVARLDPKFLVNLDPSSHCSHGTVHLIC KLDDKDLPSVPPLEKLSVPADYPAQSPMLNDRQWQYDANPFLQSV ERCMTSRLQLPDKHSVTALLNTWASVHQACLSAA</p>
7017	1	1785	<p>INLGNTCYMNSVI*ALPMATDPRRQVLSLNLNGCNSLMKKLOHL FAPLAHTQBRAYAPRIFFEASRPWFTPRSQDCSEYLRFLDR LHEEEKILKVAASHKPSLILCSSETSLOEVASKAAVLTETPTS DGEKTLIERMPGGKLETHIRCLNCRSTSQAFAFTDLSLAFWPS YSLTYMSCPDCSQSPSIQDGLNQASVPGPSEEFVYNYPTTAAAF ICDSLVRKXTIGSPNRFYCSNTSVPNRSWKILVNRKVPQKPG GETTTPSVTDLLNYFLAPEILTGDNQYCCNCASLQNAKRTMRTT KEPEYLILTLRPSYDQKYHVRKILDNVSLPLVLELPVKRITG</p>

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			FSSLSSEWSVDVDFDLSNLAKKLKPSGTDASCTKLVPYLLS SVVHSGISSESGHYYSARNITSTDSYQMYHSEALALASSQ SHLLGRDSPSAVFBQDLENKEMSKWFLFNDKVTFTTSFQSVQK ITSRFPKDTAYVLLYKKQHSSTNGLSGNHPTSGLWINGDPFLQKE LMDALTIDNKLKYLQEQELNARARALQAASASCSPFENGFDINDP FGSCGPTGGGGGGGFTVGRLLVP
7018	484	1066	SLVFRGNTWSGEGHHCSEALFNLAAYHOLFVGTERTIRAPFIIFQ PSLIGESQAGIAETLQYILDRYPKDVQEMLVQNVFLTGGMNYP GMKARMEKLLIMRPPSSSFQVQLASNFVLDAHYGARDWALNHL DDSEVWITRKEYEKGGEVLRKHCASNTIYVPIRLPEQASRSSDA QASSKGSAAAGGGGAGEQA
7019	1048	335	APGQFLVTNVFPAPSPFWMLGCCSHEVTAGPPTLCKDMSALVAA RMRIHPLAPGSDWRDLPHIEVRLSDGTARKLRYTHDRKNGRS SSGALRGVCSCEAGKACDFAARQFNLIPLCLFPTGERENHWA GLYGRLEWDGFFSTTIVNPEPMGKQGRVLEHPEQHRVVSVRBCAR SQGFPTDITRLPGNILDHQRQVGNVPPFLAKATGLBKLCLMLAK AREASAKIKKEKAARD
7020	1	2154	PADSKRSVLLDKIKNLQVALTSKQCSLETAMSFVAENTFKRVR NGFLMRKVAVFPSTPTTRASPQLSEAVLKLSDAGITPLFLTRQE DRQLINALQINNTAVGHALVLPAGRDLTDFLENVLTCHVCLDIC NIDPSCGFGSWRPSFRDRRAAGSDVDIDMAFILDSABTTTLFQF NEMKKYIAYLVRQLDMSPDFKASQHFARVAVVQHAPSESVDNAS NPFVKVPSLTDYGSKEKLVDFLSRGNTQLQGTALGSALEYTI ENVFESADPNRDLKIVVLMITGEVPEQOLEAQRVILQAKCKGY FFVVLGIGRKVNKEVYTFASEPNDVFFKLVDKSTELNNEFLMR FGRLLPSPVSSSENAFYLSPIRQCCWFOGDQPTKRLVKFGHKQ VNVPHNVTSSPTSNPVTITTKPVITTTKPVITTTKPVITTTKPVIT INQPSVKPAAAKPAPAKPVAAKPVATKTATVRPPVAVKPAATAK PVAAPAAVRPPAAAKAPVATKFEVPRPOAKPAATKPAATTKP NVMMSREVVQVFEITENSARKLHMERFPPGPFYDOLTVSADQS LVLLKQNLTVTDVIGLLAGQTYHVAUVCLRSQVRATYHGSFS TEKSQPPPPQPARSASSSTINLMVSTELALTTETDICKLPKDEG TCRDFILKMYDPAITKSARFWYGGCGGNEHRPGSQKCEKVCA PVLAIPGVISVMGT
7021	2	338	VNAVSPFPNGYAFATGSDDATCRLLPDLRADQRIILLYSHDNIICG ITSVAFPSKSGRLLAGYDDFNCNVWDTLIGDRAGVLAGHDNRVS CLGVTDDGMAVATGSWDSFLRIWN
7022	2	856	VYIGSPWSEHLLIPDMRKLFEAREQDLFRDIQSLPRNDALEKLN DLIKRRLARVHAYIISLLEKEMPSVFGKDNKKKBLVNNLAETY GRTERHQISPGDFPNLERMODQLAQDFSEKPLKSKLLEVVVD DMLAHDIAQLMVLVRQESQRPQMVKGGAFFETLHGPPFGHGYG EGAGEGIDDAENVVARDKPHYDEIFPYTLSPVDGKITGANAKEM VREKLPNSVLGKINKLADIDKDGMLDDDFALANHLIKVLESGH ELPNELPAHLLPSSKRVAR
7023	2	748	AMVFGGVVYPVQYRDIRRTQNDGFPSTYVCLVLLVANILRLIF WFGRRPESPLIQSAIMILTMLMLKLCTEVRVANELNARRRSF TAADSKDEBKVAPRRSFLDFDPHHPNQWSSPSDYVQCVLAFGT VAGYITLSDSALFVETLGFVAVLTEAMLGVPOLYRNHRHQST EGMSIKMVLNMTSGDAFTAYFLKGAFLQFSVCGLLQVLVDLA ILQAYAFARHPQKPAPHAVHPTGTAL
7024	1207	190	RIGVTGVVAQVNMFGGGGVLSGGEOLQMPVPERGLSPSDGNLV SSRRGSPCTVIGLPPFWLLTPVLVSRISRMILLTRSPTAHRLS OLKPPVLPGLTGGQALHLRSWLLSRQGPARTGGQGPQGPGLRT RLIITGLPCAGLGGANLALRAEKERLQQQRTEALROAAVGGQD PHLLDHRGRARCKADPRGQNVLMYFGFTHTCPDICPELRLVQV VRQLAEPGLPPVQPVFITVDPERDDVEAMARTVQDFHPRLLGL

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			TGSTRQVAQASHSYRVVYNAGPKDRDQDYIVDHSIAIYILNPDG LFTDYTGSRSRABQISDSVRRMAAFRSVLS
7025	232	832	RRNSPIGNNEHL*K\HSLDCLCFRGDNEGNTQFOTLQDNQRECF KQVIRTCRKRPTFNQRTVNLHQRANTGDKLNEFKELGKAPISG SDHTQHLHTSEKPGDKKCGNTPLFDSEVIQYQTVBTVKRTY ECKRCKGKPSLRSSLTGHGRIHTGKPKFKCKDCGKAPRPHSQLS VHKRIHTGKESYECKRCKGKAPSCG
7026	328	1146	NPPPSIGDIKDIEKAKSMIDFARKSHHFVTPSLVFLCFIDG LHQALLSVGVSKRSTVVGNEEERGTFYASRFKDMFNFIALK SSVLRHCCDLIGVAAGSSDKICTSSILQVQRFPKAMASIGRLS HGESADLLISCNAESAIGWISSRPWVGEIMPTPLPGDFRSPHKK LRKSS*LPKRHR*QPDNAVRMFLDQCMGSIARAIVSRIPVFR EKKKNG*KGIGBIF*VWGCTLPFHYWGAVTINVPKLSNKGKLLG QDEQPHIFG
7027	43	954	GRRLQQQRPEDARDGAGGGGRGEGAGWEGGYPRIVKKNLPHH YYQELKTVPEGEWQFMALREPLPATLRTGYKSHAKILHCL KHKYFKRLDLEMDGQKVEVPQPLSNYPRELAWHTLSKILRK SPHLEKHFQVLVSETESGNISQRAVSMIDPILLNVRPHKILD MCAAPGSKITQLEMLHADMNVPPEGFVIANVDNKRCTYLVH QAKRLSSPCIMVNHDASSLPHLQIDVDGRKSLFTDRILCDVP CSGDCIMRKNIDVWKNTLNSLQLEGLQLRLATRGABQL
7028	189	608	SRPPPEPEPGTIVKSGSDSSSEKGGVPGTPTQSLGSSNFIENS KKMQSNYSMLSPITYQRNEDPRKLFSLPFAERLIVDYSCALQR RILLQGLVLSERNWICFYSNIFRWETTISIQLKEVTCLEKETA KLIPNAIQ
7029	1343	40	VLESNTBAKQATGTSSKLEHGTGQEKGRGPRCPGSLAQLRLWG /PCPHAGRETPRASAPIPGS*GHWHW*RKDGRGERSEGPSAL SPHSPLILANQQAPTHVPGMGSSQRPSSVVPQGVGVSQLSRE RMRA*RLPGAAASERTENTKERSF/RPCOGYSSNMFTOPGKK TRKNSRRNIMVSRGGGCLLYPLQSIMPR*QLE*GAHASPTQC R*GKGGPRSPPLTKASGTHITPTFPFGSIF/RPTRDGGGTDS\ AAPGQGRGHREA*QGPEPV/NGKVTTHLQGPAG*TKPLGS/ENW VPGPAEGEGGAGLEGPR*PLKCCRSTLTPSPQLSIPMVGKKP PBGTTASFPF\RSCHSE*RKPPSPCPAPALSLPHPLPLPLPPL PLPLPGAGT*BSARSGRPGQSETGSLCHNCHCPPECPCSPGG T
7030	2	521	FVCFAPGSGGGKRRVNNELSAVGGERVFAARALLKRRTERGRM EYLKRNKGSQKYSTWPEENILQARLLAAPREREREMELYGPK KRGPKPKTFLHQAQAKAKTYEPRSDSARGIRIPYGRSPQDL ASTSRAREGLN\RVCPRQRAAPAPAAP\PRRPGSGGPRPG*G PGLHPFGPGGPGSKGQFVPASEQHQQHQLPRRGPSPGPRPG
7031	960	59	HCSVPAQKWRKPPAQICPOLTSRPHLSSPRSLSPGCGHSPGPG /CKPS/RHCDLHEGSPRTAALPCGKPOPKHGVBECC/PCPCLA PRLTEPPALTVSPVGRAPSGAL*PSGRACSACSHRLAPEAAL SAAAPRPSLGGQNASGLPAASLPQDSSQPHCTVPSPARSVPP LGAQARAAPPRLWCPRALVSG*EASPEAVSVAAGPPVPGTPTST SGSTASHSRGC*SPR*TPAPPRRDHGRSAFEVLTAASAQPC ASQGGPRPTGAGRTPSPLGLPFSRGPAAASARPPCRHPSL
7032	1393	2104	RRFGRTPEVPPPPVPPPRASNSKRCR*RNHLHLAPL*QSPLRK SRQIGTSSLLPFGESAGERPRPAATFCLSRGGSSPVFL*PSSSSL EPNMKRQFGRHLSLPWKS*QKMSFLLTPKLDTSLSGNRYRQR LPLRYTLKSLQMASELAPPLPTAPLASSLPPPGPPPLLPV PLA*LSRSGLVPPNSGFLSC\PLGDH*GSSGVRGSGSGSFPF EHCNVLPPPP*LLDPR
7033	689	815	RSRDLSSSATSNRARRSKCSGPKRATPLDSGPGP*APFGPSSA

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			<p>LMIPSSCPWRTGALGPSAGSRALGCRCTSSVCPGSRWLTRTSSP GCATRTWRTMRMEPPLRRMRGESAPGIPAEPLPSAAPSGPSAPS AAAPSAPTTFAAGFNTL*SRRTAEWCWPPSCSCCWGNC*SWSA WDNRPPFLQVSPAPSSSCASCCWLESIT*SSSTARSRTAGAS SSSTCPTSRSDRGAAWTF\SPMGIAPLLPCSVPLLSREALQDPR NPSP*GVCSSGSHAGLALGKPPVACSV</p>
7034	92	1942	<p>EDTSSMPFRLLIPLGLLCALLPQHGGAPGPGSAPDPAHYRERV KAMFTHAYDSYLENAPFPDELRPLTCDGHDWGSFSLTLDALD TLL\TLFYFQILGNVSEFQVVEVLQDSVDFDIDVNASVPTNI RVVGGLLSAHLISKKGAVEVEAGNPGSGPLLEMAEBAARKLLPA FQTPGMPYGTIVNLLHGVNPGETPVTCTAGIGTPIVEFATLSSL TGDVFFEDVARVALMRLWESRSDIGLVGNHIDVLTGRWVAQDAG IGAGVDSYFFYLKGAILLQDKLMAFLYKNAIRNYTRFDDW YLWVQMYRGTVMFVQSLKAYNPGLOSLIGDIDNAMRTPLNYY TVWQKPGGLPFPYINIPQGYTVEKRGYPLRPELIESAMYLTRAT GDPTLLELGRDAVESIKKISKVCOFATIKDLRDKLDMRNESF FLAETVKYLYLLFDPTNFIDHNGSTFDVITPYGECILGAGGYI FNTAHPIDPAALHCCORLKEQWEVDLMREFYSLKRSRSKPO KNTVSSGPWEPPARPPTLSPENHDQARERKPAQKQVPLSCPS QPFTSKALLGQVFLDSS*PLDNFFIFIPLRLNTNKLALAIKK K</p>
7035	92	1942	<p>EDTSSMPFRLLIPLGLLCALLPQHGGAPGPGSAPDPAHYRERV KAMFTHAYDSYLENAPFPDELRPLTCDGHDWGSFSLTLDALD TLL\TLFYFQILGNVSEFQVVEVLQDSVDFDIDVNASVPTNI RVVGGLLSAHLISKKGAVEVEAGNPGSGPLLEMAEBAARKLLPA FQTPGMPYGTIVNLLHGVNPGETPVTCTAGIGTPIVEFATLSSL TGDVFFEDVARVALMRLWESRSDIGLVGNHIDVLTGRWVAQDAG IGAGVDSYFFYLKGAILLQDKLMAFLYKNAIRNYTRFDDW YLWVQMYRGTVMFVQSLKAYNPGLOSLIGDIDNAMRTPLNYY TVWQKPGGLPFPYINIPQGYTVEKRGYPLRPELIESAMYLTRAT GDPTLLELGRDAVESIKKISKVCOFATIKDLRDKLDMRNESF FLAETVKYLYLLFDPTNFIDHNGSTFDVITPYGECILGAGGYI FNTAHPIDPAALHCCORLKEQWEVDLMREFYSLKRSRSKPO KNTVSSGPWEPPARPPTLSPENHDQARERKPAQKQVPLSCPS QPFTSKALLGQVFLDSS*PLDNFFIFIPLRLNTNKLALAIKK K</p>
7036	442	761	<p>CLAPLFSCFQIINLHLAPSGRLRWANLGGPGRN*LPGEGPSIPT RNW*ERKAGCSQFC/PAQHHGRPPGVSPLPEDPHPTTLRPLPP PPPPPPPPPPPPPPPPPPPP</p>
7037	442	761	<p>CLAPLFSCFQIINLHLAPSGRLRWANLGGPGRN*LPGEGPSIPT RNW*ERKAGCSQFC/PAQHHGRPPGVSPLPEDPHPTTLRPLPP PPPPPPPPPPPPPPPPPPPP</p>
7038	155	891	<p>GAGAASDMSSGLRAADFPWRKHYSQQLRRDRDRLQQAFFETIL QYNKLEKSDLSVLAQKLQAKHDVFNRRHISPGHDGTWINDQ LQMAQLRIKHQBELTELHKKRGLAQ\RVIDLNNQMQKQDREM QMNEAKIAECLQITISDLETCCLDLRTKLCILERANQTLKDYDA LQITPTALEGKLRTTEENQBLVTNMAKKAQANRLNARB*KR LQEAASPAERACSSSGTSTSTG</p>
7039	155	891	<p>GAGAASDMSSGLRAADFPWRKHYSQQLRRDRDRLQQAFFETIL QYNKLEKSDLSVLAQKLQAKHDVFNRRHISPGHDGTWINDQ LQMAQLRIKHQBELTELHKKRGLAQ\RVIDLNNQMQKQDREM QMNEAKIAECLQITISDLETCCLDLRTKLCILERANQTLKDYDA LQITPTALEGKLRTTEENQBLVTNMAKKAQANRLNARB*KR LQEAASPAERACSSSGTSTSTG</p>
7040	34	789	<p>KITPPRRPHRCSSGHGSDNSSVLSGELPPAMGKTALFYHSGGSS GYESVMRDSBATGSASSAQDSTSENSSSVGGRCRSLKTPKRRSN</p>

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			PGSQRRLIPALSLDTSSPVRKPPNSTGVNVGGLRSSPRGLG EPFEIKVYELDVERLQRRRGASKEAMCFNAELKILEHRQQR AEVRAXYKWLAKELKATEQYLLMDPNKWLSEFDLEQVWELDSL YLEALECVTERLESRVNPKCAHLMITCFDIT
7041	1	567	SCRVAACRRRAPACGSLQRLMRHQYQSRSSHRHTDSMLHTSEL NDGYDWGRLLQSVTEQSSLDPLATAELAGTEFVARKLNKIPV PABARTGLLSFESQRIKKLEHEKQFLCIPRRPFNNQNTIPES LQAKKDNFLEWRRL\VRLEEBOKLILTPFERNLDVWRLWV IERSDIVVQIVDA
7042	7	345	PTHMAAAALADT\TSPLEPHITGGYLLLSASHE\ATSLHTGAL PLETVTWYTVIPESKYVLVKPDTQYPYSNLDPEFRLAENSAS DILLMAHVALISDYGDLLTLHLREKY
7043	2	2170	ARGMAARDSDSRDLVSYGTGLRPLEBGERPKKPIPLDQTVRD EKGRYKRFHAGPAGSGGFSAGYFNTVGSKEGWTPTSTFVSSRQNRAD KSVLGPEDPMDERDLSEFGLAPKAVTDDFASKTDRIRREKAR QLAAATAPIPGATILLDDLTPARKLVGPFLLRDGHGKGGVGP RVKRRPRRQKPPGPKIYGCALPPGSESGSGEDDDYLPDNTF APKQVTPVDFTPKDNVHGLAYKGLDPHQAIPGTSSEHFNLFSGG SERAGDLGRIGLNGRKLQISGQAPGVGALEESDDIYATETLS KYDTVLDRERPGDOLYGTAFRQYKQKESKDLRYVVKILDG SLASKPLSSKKIYPPPELPRDTRPVHYFRFVVAATSESHLLQV LSRSAGKATPDGTHSKHQLNASKRAKLAGETPIQGSATSVLEF LSQDKKERIKEMKQATDLKAAQLKARSLAQNAQSRAQSPAAA AGHCNWMALGGGTATLKASNFPPAKDPKQKRYDFLVMKQ GQKDALERCLDP9MTWGRGRERDEPARALLVASHSTLSERF THAKEDDSQVBPVPRDQENDVGDKQSAVMKHPGKLTTRDTFV HPDKLLFQ/RLVGLPVRKDKYSVFNFLTPETASLPTTQASSE KVSQHROPDKSRPSRNDTSRHEKKKDSISEFLRLARSKAEPK QSSPLVNKEERHAPELSAN
7044	276	734	EVYLTDFAGKRVADLYELVQYAGNIIPRLYLLITVGVVYVKS FPQSRKDIILDLVEMCRGVQFPLRGLFRLNYLLQCTENILPDEG EPTDEBTGDISDMDPVLINPAMNKLNVRMQHQHSDREKR ERERQRLRLVGTNLVRLSQV
7045	3	513	LGPKMEALSRAQEMSIAALKQHDPIYITSADLTGQVALYTPCP KANQWEKTDIEOTLPVYRSASPYHGFTIVNRLNMHNLVFPVK DLRFQLEHFPFLYRNASLSIYSINFYDKNDCHRIAKLMADVVEK ETRESQQA/RSGQTESQPGQNLQRPQAHHPGDABQSQG
7046	3	513	LGPKMEALSRAQEMSIAALKQHDPIYITSADLTGQVALYTPCP KANQWEKTDIEOTLPVYRSASPYHGFTIVNRLNMHNLVFPVK DLRFQLEHFPFLYRNASLSIYSINFYDKNDCHRIAKLMADVVEK ETRESQQA/RSGQTESQPGQNLQRPQAHHPGDABQSQG
7047	103	486	QMKIEKCGWSEGLTSIKGNCHNPYTAISKQVYTKELNLLNSKN IMLIDVREIWEILEYQRIPEINVPIDVGEALQMNPRDFKERY NEVKPSKSDS/IVFSYLAGVRSKKALDTAISLGPHSYHER
7048	92	627	FFCLTLSSWDYRHATRVYSSPVFTMRDSGKTPSSRRREANY WKDLAMTYKQRAENTQRELRFPQEGSREYEALETQLQIETRN RDLSENRLRMELETIKKFEVQHSSEGYRQISALEDDLAQTKA IKDQLQKYIRELEQANDLERAKRATDEGLSKTPE\QRLN\QAI EKRW
7049	393	938	KRTGSASYGCPFPGLGSPATXASVAGRCSSVGKI PARRCYDEL VPVFEAVGRYIELRLMDPDGKNGYAFVMYCHKHEAKRAVREL NNYEIRPGRLLGVCCSVNCRLLFIGGI PRMKREZILBIKAVT EGVLDIVYASAADKMKRGLRLRGVREPFRGCHWLGRKLIANK ASSLWG
7050	393	938	KRTGSASYGCPFPGLGSPATXASVAGRCSSVGKI PARRCYDEL

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7051	119	816	VPVPEAVGRIYHLRLAMDPTDGRNRYAFVHYCHKEAKRAVREL NNYEIRPGRLLGVCCSVNCRIFIGGIPMKKRERILERIAKVT EGVLDVIVYASAADKMRNGLRLRGVBPFRGCHWLGRKLIARX ASSLWG KRMNLABRICNAKKGREYALVGVYDSSMVYYQGVNQOIQRHQS VRDPAIRGRWQVQRQLLEVEQVKSIVGTLESFKIDKPPDFPV SCQDEFFRDPVWPPFPVPAERHAPQIR/RQSRKSTSEERNGR SRSPGTCPST\PISKSKPSTSRDKYRARGDDGGRKMNQDG ASDGEMPKPDGAGYDKLVLEALRDI VSENPSIHNDDIADLERA KKLLRAGVLPMM
7052	467	715	SCPGRGKMSKLLNPREMTERDYTFDSYAHFGLHEMLKDEVRTL TYRSMYHNKHVFKXVLDVSGTGILSMFAARQGPFR
7053	467	715	SCPGRGKMSKLLNPREMTERDYTFDSYAHFGLHEMLKDEVRTL TYRSMYHNKHVFKXVLDVSGTGILSMFAARQGPFR
7054	1	1036	GTSQRSRETDARRRSAGAEPTARLPWPAALKEWFCPCBPLOPG RRCRWDMABYDEKLARFQAHLNPPNKQSGPQHEQQPGREVPD VTPREALPRLPPGEPFRCPKRVMDLGLSEDFSRFVGLFLASD VQQLRQAIRECKQVILELPEQSEKQDAVVRILHLRLKLOBLKD PNEDEPNIRVLEHRFPYKEKSKSVQTCCKNTIINGLIQTWYT CTGCYYRCHSKCLNLLSEKPCVSKVSHDAEYELNCPBTGLDSQ DYRCAECRAPI/CS/DOVVPSEARQCDYTGQYYCSHCHWNDAV IPARVVHNDFFPRKVSRCMRYLALMVSRDVLRLRRIN DSRRVSWRSWLANE/WGKHLCLFVILSMNVLEFWKTFLLYNQGP EYHYLHQMIG/ALCLSRASASVNLNCSLILLPMCRILLAYLRG SQKVPSSRRTRRLDKSETPHTTCGATICIPSGVHVAHLVNALN FSVNYSEDVPELAAARYRDEDPRKLLFTTVGLTGVCMEVVLFL M
7055	2	527	DSRRVSWRSWLANE/WGKHLCLFVILSMNVLEFWKTFLLYNQGP EYHYLHQMIG/ALCLSRASASVNLNCSLILLPMCRILLAYLRG SQKVPSSRRTRRLDKSETPHTTCGATICIPSGVHVAHLVNALN FSVNYSEDVPELAAARYRDEDPRKLLFTTVGLTGVCMEVVLFL M
7056	2	527	DSRRVSWRSWLANE/WGKHLCLFVILSMNVLEFWKTFLLYNQGP EYHYLHQMIG/ALCLSRASASVNLNCSLILLPMCRILLAYLRG SQKVPSSRRTRRLDKSETPHTTCGATICIPSGVHVAHLVNALN FSVNYSEDVPELAAARYRDEDPRKLLFTTVGLTGVCMEVVLFL M
7057	1368	431	GIYLVNEXIIPRTTCIGDQENDKENLWLENRDQELLHASCOA SGEVPASALRGFFTEDEPGCFEGENLPEALQNIQDEGTGBQL SPOERI SEKOLGQHLNPHSGEMSTMLEKEKETSQKGPAPAM AQKLPTCRBCGRTFYNSQLIPHQTHGTGETYPQCTICKAPLR SSDFVKHQTHGTGCKPKCDYCGKGFSDPSGLRHEEKIHTGKRP YKCPICKKSFIOBSNFRHQRVHTGERPKYKCHOGESFSMSSSL DKRQSHLKKKPPQ*PVTKLSPPISISQPSHNQTLHQSEKCLR GYPC
7058	1	469	FSGFGAVPDALGCRMSDLRI TEAFLYMDYLCPALCKGPPPAR PEYDLVCIGLTGSGKTSLLSKLCSBPDBVVSTTGPSIKAVPPQ KAILNVRILGQADNIRKYMRYTQSGQVIVLDSASSBODLEA ARN*SC TOLLQHPOLCTLPFLILA
7059	1	1178	WPAFPRQAAAAADALGTGPRRARGCLGAAGPTSSGRAARTPA APNARPSAWLECVVTFDLKLQALBLVYPNDFRLTDKBSI CYLSPFDSHSGCLGDTQSFENRQCGQRSFPHADDRHYNRAP VALQREPAHYFGIVYPRQVDSVVRGYFQKSLVLSRLPPVRL FOALLSLIAPYFDKLAPCLRAVCSRIDQNPAPAPQOTLNLPVM GVVVQVRI PSRVDSSESPPPQPDQENLLPAPVVLASVHELDLF RCFRPVLTEMQTLWELMLGEPFLVLA PSDVSSEMVALTSCCL QPLRFCCDPRPYTFTHDEFEKFTTRTQAPPVVLGVTPFPFIK TLQHWPHILRVGEPKMSGDLPEQVKLKKPKV*RPWDTAP SVHLPSLWPNNEAMDSKSEPLKGSPEARQGNIEYKELVNPSQ YRFEHLVTOMKNRLQGRCEAVYQIGVEDNOLLVGLAEEMRAS
7060	90	1670	SVHLPSLWPNNEAMDSKSEPLKGSPEARQGNIEYKELVNPSQ YRFEHLVTOMKNRLQGRCEAVYQIGVEDNOLLVGLAEEMRAS

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			<p>LKTLHRMAEKVGADITVLREREVDYDSMPKITEVLVRKVPDN</p> <p>QOFLDLVAVLVNDVSGKSTLLGVLTQCELDNGGRARINLFRH</p> <p>LHEIQSGRTSSISPEILGFNSKGEVHGINGTQWQTLRHH***</p> <p>RT*DGGRVWKLPEIV*MAALRGL*TSSAPLRKSMGNQLA*IKNG</p> <p>VKIKRQGHFGNGLCPGHEGVRGRGRH*GPWALQVNVYSOSR</p> <p>TAEBICBSSSRMITPIDLAGHKKYLTITIFGLTSYCPDCALLLV</p> <p>SANTGLAGITREHLGLALALRVPTFIVVSKIDLCARTTVERTVR</p> <p>QLERVLEQPGCHKVPMVLTSSDDAVTAQQYQSPNVTPIPTLS</p> <p>SVSGESLULLKVFLNLTPLTNSKQEKLMQQLTEFQVDEIYTV</p> <p>FEVGTVVGGLSR*IDLLATLPTQSPSPITSXTSWPEGEDPGI</p>
7061	364	710	<p>ARMPSPFLGPPCLFVMDPPTTLKEPETARLEPRGFCYQEVAGPRE</p> <p>ALARLRELCCQNLQPEAHSKEQMLEMLVLEQPLGLTPPEIQAWV</p> <p>RQQRPGSPREAAALVEQLQHP*ARMPSPFLGPPCLFVMDPPTTL</p> <p>KEPETARLEPRGFCYQEVAGPREALARLRELCCQNLQPEAHSKE</p> <p>QMLEMLVLEQPLGLTPPEIQAWVGRQRPSPREAAALVEQLQHP</p> <p>PGQLIG</p>
7062	71	744	<p>AKAGTNRRLHNLWSYFFCIPRKHKLKSSQDKVRQFMACTQACGR</p> <p>TAIYCLTQNEWRLDEATDSFFQFQFSLHRESMRNAVDEKKLERL</p> <p>YGRYKDPQDENKIGVDGIQPCDDLSLDPASISVLVIANKPRAA</p> <p>TQCEPSRRKFLDGMTELGCDSEKELKALLERLEQLKDTAKFD</p> <p>FTQFTPTPAKPNPGQGLDL*MAGAYWKLVLSEGRFKFLYLWNTFL</p> <p>NEHH</p>
7063	2	562	<p>LRTVPDLPGRRFRANRTGQRR*PELPDMNSLEQARDLKAFERR</p> <p>LTRYIHLQPATGRMRLIVVSVCTATGAWNLIDPETQKVGF</p> <p>FTSLNHPFFITISCTILIGLFFAGIEKRVVAPSI IARCRVTVA</p> <p>EYNMSCDDTGKLLKPEPHVQ*QSSLIVMQLKIAFLRISDTAKS</p> <p>HKGFLRLDM</p>
7064	300	884	<p>EDTGSDFSSSTRRLCSTCCTGH*PARPIASPHPSRGTCPPASSAS</p> <p>SRRTGCTCPPESGHAQARRSRASASRWGARGAVSVAARCC</p> <p>SSRAGRRLTGPGRREGPPACAAAAGRLRGAP*AAPPTASVPAR</p> <p>CRCPAARTGAPAAATWLRRLSGLRAPALGRRRSPGPSPKBAAP</p> <p>PLLTPLCAGRAGGSRANS</p>
7065	1	555	<p>ATTTHSARREBGRGAAAAASAAGGRQKGFDRKAWBGRRTTGGG</p> <p>RSQSEPKAPPQKRSEAPASMAHSFVAVQVPGMKNINADPSEL</p> <p>ETKLERIGSGSPGEVFTGIDNRTOQVVAIKI IDLEBARDEIEDI</p> <p>QQEITVLSQCDSSYVTIYTGSYLKGSKLWIIIMBYLGGSSALDLL</p> <p>RAQPFDEFQ</p>
7066	356	676	<p>PGPQRGFWAREGGHFLDPADHPAPASTLRSNVRAATMNIQCDT</p> <p>YNQHSLSFNAMNRFIGAVNMMDQTVNVPSLLRDVPLADPGLND</p> <p>VGVEVGGSGGCLERTPP</p>
7067	152	973	<p>KENITWATEIGSPFRFPHMFRFOHQAPROLFYKRPDEAQOQAMQ</p> <p>QLTFDGRMRKAVNRKTIIDYNPSVIKYLENRINQRDQDMRAIQ</p> <p>PDAGYNDLVPPIGMLNPMNAVTTKFRVTSZKVKCPVPPVVRW</p> <p>TPEGRLVTGASSCRPTLWNGLTFFNFETILQAHDSFVRAMTWSH</p> <p>NDMMMLTADHGGYVKYQSNMNNVMFOAHKEATREARFIHNIP</p> <p>FSVVPVVMVLPSEKCLGAEMHGLCQFLGNFLHPINTIPFPVPT</p> <p>HSPFCHAPP</p>
7068	222	816	<p>DTMKYVLLFLALCSAKPFFSPSHIALKNMMLKDMEDTDDDD</p> <p>DDDDDDDDDDNSLPTREPRSHFFPFDLFPNCPFGCQYSRV</p> <p>VHCSDLGLTSVPTNIPFDTRMLDQNNKIKIKENDPEGLTSLY</p> <p>GLILNNKLTKIHPKAFITTKKLRLYLSHNQLSEIPLNLPKSL</p> <p>AELRIHENKVKIKQDTPKIK</p>
7069	1147	1765	<p>FRDHRYFYVNEQSGESQWEPFDGEKKEESQAQENRDETAKQ</p> <p>TLKDKTGTDSSTESSETSGSLCKESFSQGVSSSSLMPLTPFW</p> <p>TLLQSNVFLQPLPLEMPPPPPPPPSPPPPPPPPPAPKMPPP</p>

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			ERTKKGRKOKAKKSKTKMPGLVLRWQSIQRELDERRNSSSSSEED RVSTAQRRIEENRQQQLVSGMAERNANFEA
7070	1	547	DGTMEDSEAVQRATALIEORLQORRENKLRGDARQKLPMDLIV LEDEKHGCAQSAALQKVEGQERVRKTSLOLRRLIDVGGIQLLI KLKKRQKRRDALAASHEPPPEPEETTOPVDRETFKAAVEGK MKVIERKFLADGGSDTCQPPRTALHRASLEGHMETLEKLLNG ATVDFQ
7071	2	921	ARGTLRALETAQKVGKVGANGQKAAGPSADSVTENKIGSPPKTP VSNVAATSAGPSNVGTLELNVPOKSSPFLTRVPAYPPHSENIQY FQDPRTOIPFEVFPYQYPTGYPPPTVPAGVAPCVPRFVRSNNV FESSLPFASMPYADHYSTFSPRDMNSSFYQPPPPQPYGVPVFPV PSGMYAPVYDSRRIRWPPMYQRDDIIRSNSLPPMDVMHSSVYQT SLRERYNSLDGYYSVACQPPSEPTTVPPLPREPCGHLETSCEBQ IRRKPDMAQYHTQKAPLVSSSTLFVATQSPPTPSTLNRGEGS
7072	2	921	ARGTLRALETAQKVGKVGANGQKAAGPSADSVTENKIGSPPKTP VSNVAATSAGPSNVGTLELNVPOKSSPFLTRVPAYPPHSENIQY FQDPRTOIPFEVFPYQYPTGYPPPTVPAGVAPCVPRFVRSNNV FESSLPFASMPYADHYSTFSPRDMNSSFYQPPPPQPYGVPVFPV PSGMYAPVYDSRRIRWPPMYQRDDIIRSNSLPPMDVMHSSVYQT SLRERYNSLDGYYSVACQPPSEPTTVPPLPREPCGHLETSCEBQ IRRKPDMAQYHTQKAPLVSSSTLFVATQSPPTPSTLNRGEGS
7073	50	504	LAHGSFGVSDFFAPAAPAFNTLTSFSGSLSPQPRKPLGRAPAMP LVRYRKVILCYRCVGKTSLAHQFVEGEFSEGYDPTVENTYSKI VTLGADSEHLEHLDVATAGQDEYSILPYSPIIGVHGTVLVYSVTSL HSPQVIESLYQKLREHGAK
7074	263	1003	VCPVLCSTQRPFGHSSLVTFYFGKPTRRKEPFLGHCIAGGRNYS VDLETNYAELVLDVGRVTIGENSRKKMKCKLRKKQNERVSRAM CALLNSGGGVKARIENEDYSYTRQIGLDLENSFSNILLFPVE YLDPMQNGNYFLIYVKSNSLNTSGLRITLSSNLYKRDITSKV MNATAALEFLDMKTRGLYLRPELLAKRPVDDIQENNMIAL AGVFFDTELRKELLYPTTESTHVEI
7075	598	1005	WYINFFPRKGYFPHVQKVEINPRLSELQGVBRIMKRTBSSEBQ VEPRIKRVQKREHCSTYQPTPLSPASKCLTHLEDLQRNCRQ ATTLESTGPLLRTSIRHNSGGQKSONTGLTTKRYGNNVKKVP IDII
7076	279	1049	LQSSNSNAAGNEQRHEDORSKRGGSNGKGRKKKPLEDSNAPK SPLTGYVRFMNERREQLRAKRPVPPPEITRMIGNEWSKLPPPE KQRYLDEADRDKRYMKELBQYQKTRAYKVPFRKTDROKGRSH RQDAARQATHDEKETEVRKESVFDIPITFERFLNHSKARBAEL RQLKSNMFEERNAALQKHVESMRTAVEKLEVDVIGRSRNTV LQCHLETLRQVLTSSPASMPLPEIGETPTVDTIDSYM
7077	3	1119	SSMGSNSBYNGLALRKTDKYGFLGGSQYSGSLKSSIPVDVAROE ELJWLDMPFSNNDKWLRRFPQKVLRCREGIPSSLRKAKAQYLSN SKELLEONPRKFEELERAPGDPKWLVDVIERDLHRQFPFHEMFAA EGGHGQDLYRILKATTIYRPDEGYCQAPVAAVLLMHMPARQ APWCLVQICDKYLFGYYSAGLEAIQLDGEIFFALLRRASPLAHR HLRQRIDPVLYMTWEMFCIPARTLPNASVLRVHDMFPCRGVKI IFRVALVLLRHTLGSVEKLRSCQGMETMEQLNLPOQCMQEDF LVHEVTNLPTREALIERENAAQLKKNRETRGELQYRPSRRLHGS RAIHEZRRRQQPPLGPSSS
7078	483	767	FOGORMAGEQKPSNLEQFILLAKGTSGSALTALISQVLEAPG VTVFGRILLELANVQELAEANAAVLIQLLNLFPAYGTYPDYIANKE SLPELY
7079	2	376	SVVEPRKPKPEFGSDGESDGPIDVQGBQQLSQMARPLSTPSSSQ NQARKKRRGIIEQRDRINSSLSGLRLVPTAFERQGSSEKLEK

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7080	200	595	AVVLQMTVDHLKMLHATGGTGHALLFQASFIQQIP VQLPLKAPCLSLSCRDHSGGNRDLRRHRDCRVYGSPODGIPIY LTHPLCHQDVVSVGRILQIRALATPGHTQGHVLYLLDGEFYPKGPS CLFSGDILLFLSGCGEFFPKRREELGEGHTEVRAATVPWRALEP
7081	213	506	AVTEEMILNSLSLCTHNKLLAPWVRVGTLPMLLALDYGADI VYCEELIDLMQICRRVNEVLSTVDFVAPDORVVFRTCRREQN RVVFMQMTS
7082	3	1137	APSRNTMLMANCRGPFVLLCLRQGLGTNSFLHGLGQEPPEGARSL CCRSSPRDLRDGEWEHRAAQKAPGAESCPSLPLSISDITGCL SSLRLMLPLTLAKRESSPRELKDSSGQGRCGPTHQGSQDPEMLS QAQSATEVEERHVSFSCSTSEHERPFQAGBLILASTGBGETKFKK LFRLLNFCLLNENQAVFPFKIVGKPPGQILRSSEGRQYMLRRP ALEDDYVVLAKRGTAITPPKIDNMIILSMMDINPGDTVLEAGSGG GMSLPLSEAVGSGGRVISPFRKDHEDLAKKNTKHWDRSWKLSH VEENFDNVDFTKDDISGATEDIKSLTFLDAVALDMLNPFVTLFVV YPLKRGGVCFFVYVNIITQVIELLD
7083	115	541	ESNAVQLTMEYAMKSLSLYLPKSLSRHVSVRTSVVTQQLLBP SPKAPRARPCRVSTADRSVRKIMAYSLEDLILKVRDITMLADK PPFLVLERDGTTVETESTYQALAGDTVMVLQKQKQWQPPSBOG TREPLSLSHK
7084	3	522	NSVSVSSQSRPLASVFGTGVQSSAAADMAASTAGKQRI PKVAK VKNKAPAEVQITABQLLEAKKRELELPPPPPOOKITDERELND YKLRKRKTFFEDNIRKRTVVISNWKYACQWESLKEIQARSIYE BALDVDYRNTFLWLYAEMEMKRNQVNHARNINDRAITTL
7085	243	1499	RQLARLRRRGWRSPFGGAPMAHITINQYLQVVEAIDSRDGASC ARLVSPFKHIVANPRLQMASPBEKQQVLEPPYDEMFAHLRCT YAVGNHDPTEAYKQQTIVQSFPLRAFQARKENWALFVYVAL DLRVFANNADQQLVKKGSKVGDMLEKAKELMSCFRVCASDTR AGIEDSKKGMFLVNLQLFKTYFKINKLHICKPLTRAIDSSNLK DDYSTAQRVTYKYVGRKAMPDSDFKQAEVLSFAFEHCHRSSQ KNKRMILLIYLLPVRMILGEMPTVELLKKYHLMQFAEVTRAVSE NLLLLHEALAEHEAFFIRCGIFLI LKELKIITYRNLPKKVTLL KTHQLSLDAFLVALKPMQVEDVDIDEVQCILANLIYMGHVRGYI SEQRDLVVSQNPFPPLSTGC
7086	256	525	ILAAARMGRQNSKLRPEVMQDLLESTDFTSHEIQENYKGFRLDCP SGHLSMEBFKKIYGNFPFPGDASKPAEHVFTFPDANGDGTIDPR EF
7087	166	723	LSGSEAGKVAAPCVPPSNHELVPITTENAPKNVVDKGEAERGG NTRKSLDONGSTRVTPSVQPHLQPIRNMVSVRTWEDSCLDLVY VTERIYAVFPPSTANENFENLREVAQMLKSEHGNYLLPLNS ERRPDITKILAKVLEFGWPDLETPALEKICSICKAMDTWLAHP HRCRVLRNG
7088	104	759	GTSAAFPSSILEMAGETITGRLYSSYVGLVYMFNLIYVGTGALT MPKAFATACHLVSLVLLVFLGFMSPMTTTFVIEAMAAANAQLHW KRMENLKEEDDDSSSTASDSDLIRDNTERAKRPILSVQRGS FNPFEITDRVEMQMASMFFNEVGVNLFYFCIIVYLYGDLAIYA AAVPPSLMQVTCSATGNDSCGVADTKYNDITDRCHGFLRVVD
7089	33	1775	SVCWEDRYLKARMEBSPLSEAPSRGGVNFVARTYIPNTKVEC HYTLPPGTMPASDNIIGIFKVEAACVRDYHTFVWSSVPESTTDG SPIHTSVQFQASTYLPKPGAQLYQFHYVNRQGVCGQSPFPQFRE PRPMDELVTLEADGSSDILLVVPKATVLQNQLDESQQRNDLM QLKLQLEGQVTLRSRVQELERALATARQHTLEMQYKGISRS HGETTEERDILSRQGDHVARILELEDDIQTLSKVLITREVELD RLRDTVKALTREQEKLLGOLKEVOADKEQSEARLQVAQENHHL NLDLKRAKSWOBEQSAQORLKDQVACMKDTLQQAQQRVARLEP

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			LEBQLRGAGQLAASSQQKATLLGRELASAAAARDRTTAEIHRSR LEVAEVNGKLAELGLHLKEKRCQNSKRRAGLIQSVEASKDKLLK LSAILRLKAKVQERTONQVFTKLAREKDSLSVLSESKREB TELRSALRVLQKEKQLQKEKQLLEVVRKLEARLEKVADEKWN EDATTEDBAAVGLSCPAALTDSDESPEDMRLHFMAPVSVETQ ASLLGLLE
7090	33	1775	SVCWEDRYLKAHNEESPLSRAPSGGVNPLNVRTYIPBTRVEC HYTLPPGTMPASADWIGIFKVEAACVRDYHTFVNESSVPESTIDG SPIHTSVQFOASYLPEKGAOLYQFRYVNRQGVQGVQSPFPQFR PRPMDRLVTLREADGSDILLVVPKATVLQQLDSSQQRNDLM QLKLQLEGGVTELRSEVQELREKALATARQEHTELMQYKGISRS HKEITERRDILSRQGGDHVARILLLEDDIQTISEKVLTKVELD RLRDTVKALTRBQEKLLGQLKEVQADKEQSEARLQVAQENHHL NLDLKEAKSNQEEQSAQAQLRMDKVAQMDTLGQAQQRVAKLEP LEBQLRGAGQLAASSQQKATLLGRELASAAAARDRTTAEIHRSR LEVAEVNGKLAELGLHLKEKRCQNSKRRAGLIQSVEASKDKLLK LSAILRLKAKVQERTONQVFTKLAREKDSLSVLSESKREB TELRSALRVLQKEKQLQKEKQLLEVVRKLEARLEKVADEKWN EDATTEDBAAVGLSCPAALTDSDESPEDMRLHFMAPVSVETQ ASLLGLLE
7091	186	1076	EGMLTFRHRCGRSEBQBLEPWFSFKKARSORNLNRFQKMKRP REPADSGQSLVFPVYIYSPFYVSMCDLAKIPKRASMVHSLIEAY ALHKQMRIVKPKVASMKEMATFTFDAYLQHLQKVSQEGDDHDPD SIEYGLGYDCPATBEGIDYAAIIGGATITAAQCCLIDGCKVALN WSGGWHHAKKDEASGFCTLNDVILGILRLRRKFERILYVDLDLH HGDGVEDAFSPFSKVMVTVSLHKFSPGFPFGTGDVSDVGLGKGRY YSNVPIQDGIQDEKYQICERYEPPAPNPL
7092	522	809	KQGINEDQESQKPRLEGCEPISEKQMKKLIKQKQWEEQRELR KQKRKEKRRKRLERQCMFNSDGHDRKVRVDDVHSTLRLLI DCSFDXLM
7093	454	655	NFGVSGVELAQASMVMSFVIAACQLVLGLLMTSLTESSIQNS ECPQLCVCEIRPFWPTQSTYREA
7094	2	508	FVRSMHNGVGFASSRCPVVDLSWQSIISFFGWAGSEBFPSPYQ DIIAPFLQDYGGIMAGLSDPWWKTLTLTGALLAAAYLLHB LLVIREQQEIDSDAIILEQFAPFNGVPSLSFPFLKNETTLRM ADLPYQNYFGGKLSAQGEMPHIETNHEKVSGETPII
7095	1	411	IASSLPRMASLLQSDRVLYLVQGRKKVRAPLSQLYFCRYCSELR SLKCVSHVDVSHYCPSCLENMPSARAKLKNNRCANCFDCPCGMH TLSTRATSISTQLPDDPAKTTMKAYYLACGFCRNTSBDVGMAD KSVGR
7096	224	2067	ETRSLAVQEKPSQAGRRSSRI8FAGALPLTRPLQLLLNPNP SAMSAPADAPAPASISLFDLSADAPVFOGLSLVSHAPGEALAR APRTSCSGSGERESPERRLLQGPMDISEKLPCSTCDQTFQNHQB QREHYKLDNHRPWLKQRLKDKPLLSALDFERQSSSTGDLSSISGS EDSDASASEDLQTLDRERATFEKLSRPPGYPHRLVFNQAQGP LYAYRCVLGPHQDPPEBAKLLQNLQSEKSPDCVVLMAAGHPA GAIFQGREVVTHKTFHRYTVRAKRGTAQGLRDARGGPSHSAGAN LRRYNEATLYKDVRLLAGPSNAKALBBAQITILLRAPRSORSLEP FGGKGAFLQGDPRLNDIPLATRRPTFOELQRVLEKLTTLHYTE EDPREAVRLHSPQTHWETVREERRRPTBEBIRKI CRDEKEALGO NERSPKQSGSGSEEDGFPVLELVELTVGLDLCESEVLPERRR RKNKKEKSRDQAGAHRTLLQTOREREPSTQSSQAVAPLGLPL LDEAKAPGQPELNNALLAACRAGDVGLKQLAPSPADPRVLSL LSAPLGGGGFTLLHAAAAAGRSVVRLLEAGADPTVQCQDH
7097	256	1228	IRTKSAATWBAWPCGREGSRIITHEPCANAGSRQELQTRTSS FLAAQGDQAFHSGLETNNSNSELPLRVGLKVAQGSPLMGQVSA

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			SNSPSRLHCENANEDWMSALCPRLNDVPLHLSIPGSHDTMYC LNKKSPISEESRLQLLNLKALPCITRPVVLKMSVTOALDVTEQ LDAGVRYLDLRLAEMLEGSEKNIHFVHMVYTTALVEDTLTEISE WLERHPREVVLACNPEGLSRDLREYLVACTONTFGDMLCFRG EVPFLRLQMSRGQGVIVSYEDRSSLRREHLLNPGVFYHNGNRVR TEALIRYLETMKSCGR
7098	82	956	SSFLKRCRKVLGCGIPSEQLSFTLEKPEDEKIDNYCVMRLQT EARSGFWAPNRPFPVNICMTAVDGRGSSRETCRCHFPSSLEA LVLLQDNQPGGIGICTSPLGISWALLDYHRLRTCLPSKPLIG LGSSVIYPLANLLHPRVLAVALPSALFSPYVALHFLQNLVL LLWVVLQGTDFMPDPSSNLYRVTVATILYFSWFNVABGRTRGR AIIRHAPFLSDSILLVATWVTHSSWLPSCGIPQLNLFPVCGCCFP LGLALRLVYTHLPECCNKDFDQVD
7099	992	210	LFRLAPGFLRLARQYHQIWAFFPLFGATATWPAASRSLSLA ARSLPRSPARPGNDALIGKHDFRGGGVRAORFRFSEBPGPGAD GAVLEVEVPQIGAGVSLPGILAACKGARVILSDSSELPHCLEVC ROSCMNNLPHLQVVLFWGHISWDLALPQDIILASDVFFEP EDFEDILATYYFLMHNPKVQLWSTYQVRSADWSLEALLYKNDM KCVHLPESFDADKEDIABSTLPCRHTVEMLVISPAKDSL
7100	205	671	ANGGPWEAAPGSEBSVSLFPLVPTASHSKTALQIGSAPPPLSVL FLSPFPQLGDPLEAFVFFKKYDRNLAVSIECKRVSGLEPATV DMAFDLTKTNMOTMYBQSEMGWDRKREKREMTDDRANYLIANEN SSVFPVAFSHRFDVERGDEVLYM
7101	2	503	WRGGPRRAKLAGGAVGVLLVHGVSVRAGGGRPPRAADMKKD VRILLVGEPRVGTSLIMSLVSEEPFEEVPPRABEITIPADVTP ERVPTHTVDYSEABQSDQLHQBISQANVICIVYAVNNKHSIDK VTSRWIPLINERTDKSRLPLILGKNKSDLVYSR
7102	2	503	WRGGPRRAKLAGGAVGVLLVHGVSVRAGGGRPPRAADMKKD VRILLVGEPRVGTSLIMSLVSEEPFEEVPPRABEITIPADVTP ERVPTHTVDYSEABQSDQLHQBISQANVICIVYAVNNKHSIDK VTSRWIPLINERTDKSRLPLILGKNKSDLVYSR
7103	119	438	GSQSSVAVNIRSGTDERSHDLNQGQASSVNLATASEKSSSES LSDKGSSELKESFDVVVFDVLKVTPEYAGQITLMDVPVPKAIQ DELSSCGNNKKERYSSAP
7104	1670	795	RLMKHRSVSAGASGWLSSPGCTLLHPSLPERERVYDILINAGV MRCPHWTTEDGFEMQPGVNHLEAWAGAAPWQAILPRPPKVL GP*V*VKSULFTILNPGHPLLTNLLDKLASAPSRINLSSLA HVAGHIDFDLNNQTRKYNTQAAVCQSLKATVLTGKLSRRLQ GSGVTVNALHPGVARTELGRHTGTHGSTFLQHN\WALLLAWS KSPRSNPAPAGHNTLAVARELA\VISGKYFDGLKQAPAPAPED BEVARRLWARSARLVGLEAPSVREQPLPR
7105	765	143	QMCRRPSPKSTSCLSMTCDLP/RLQDPQCLALPRVAVDKHQA LLKAAMSGGVDRHLFALYIVSRFLHQSFPFTQVSEBQWLST SQIPVQMHLEFDVHNPDIYVSSCGGPGPADDHGYGVSYIFMGDG MITPHISSKSSSTKTDSHRLGQHIEDALLDVASLFQAGQBPKRR FRGSGKENSRHRCQFLSRQTGASKASMTSTDF
7106	14	1064	GLQGHHPHRSASRIPADTH\YSKLQRAFTSIVNKHKRMPT YPRVGFPGSKFGDLDEQEFVYKEPATIKLPEISHREAFYGCQF GAEFVVKLDSTPVDTKLDPNKAYIQITFVRPYFDEYEMKDRV TYFEKNFNLRRFMYTTPFTLEGRPRGELHEQYRENTVLTMBAP PYIKTRISVIQKEEFVLTPIEVAIEDMKKKTQLAVAINQEPD ARMLQNVLCQSGATVNCQGLEVAQVFLAIPADPKLYRHENKL RLCPKEFIMRCGEAVENKRLITADQREYQBLKKNYNKLKBNL RPMLEKIPELYKPIFEVESQKRDSFHRSSPRKCBTQLSQGS
7107	1145	591	*I*RLQTGRKK

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7108	1	942	VRVALLLTLELQPKRTSESHENSFTLKMPLEFQPVNLNSSTFYIAF FLGRPTGHPGAYLRLINRWRLEBCHPSGCLIDLCQMGIIIMVLK QTWENFMELGYPLIQNWTRRRVQEHGFERKISFPQWEKDYNL QPMNAYGLFDXYLEMILQPGFTTIPVAEFLAPLLALLNNTIBI RLDAYKFTVQWRRPLASRAKDIGINYGILEGIGILSVITNAPVI AILEDPIRLVYAYKYGPCAGQGEAGQKCMVGYNASLSVFRIS DPENRSEPSDGSSEPSGTPLKCYCRYDYRDPFHSILVPGYTLQF NHLVLAN
7109	964	102	WDQRKRNLSLVPGFAHGPAGEPWEKKESLGAAQEAALSTQLQPKR TQPPPKSEQVYLHPLSVVTEGPEPEKKSLEQPPPTTEVBSQVF SEKLATDTSTPRAISEGLRLQQRHPKAELEWSPAQERSFRQM VVIHKEIPTGKKOHCSECGKTFIYNHLVVRQVRBSGKPYKC SDCGKTFQSSNLGQHQRIHTGKPYECNECGKAPFNGAHLVQH QRIHSGKPYECNECGKAPFQSSYLSQHRRHISGKPFICKECG KAYGWCSELIRHRVHARKPSH
7110	96	697	RLDNFSGFLVEVTKERRHIVKPLYDRIYLVKQMLTRASTIPVLG SPSTERGQMLQPIIETETAHFFBIKSEEDGVNLSSSLGDMLE KTAVQVQSSILKNSSDVEENQKKALDLRLSSRAASMPLELLEQ LNEKARAKKLEKTLREREPFQYQNGRQAQKEDRVIVLEKYR YKKIEAKLRLLEVLISEQDSSKSI
7111	2	414	GSGLYRGPTFGGQCINWPNMPPDHENRFGFTQFALELNELTAE LKRSLPSTDTLRDPDQRYLEBGNIAQAQAQKRRIEQLQRDRRV MEKNIVHQARFPRQTDSSGKEWVNTNTYWRLEAEPGYGNMD GAVLW
7112	103	495	PRCFPVADRGLIGGLPDVVTIMBGKTLNLTCTVFNPDPEVIN FKNDQDIQLSEHPSVKVEQAKVSMITIKGVTSEDGSKYSININ KYGGKIDVTVSVYKGRKIPDMAPPQQAAPKLIPASASAAGQ
7113	1	824	KCLRQANHRAPSSLAFTWCSREERAEAGGNLHRSITRDPKPPG LRPSQRPMDDKKKRSFKPCLAQPAQAGTLRRVPVPTSHSGSL ALGLPHLSPKQRAKFRVVGKRCRPLAGGSGSAGTFLQHSF LIEVTDVYEMEGGLNLNLDPHSGRLQAFGKCSFQLEHVRM QEKLARLHFSLDVCGEEDDEEEDGVTGCLPBEQKKTMADRNL DQLLSNLGSCLCALVPGMGRGEGTYEQSHSWALGKGVVHGSK SSGPLNLPRR
7114	3	1492	VNEVDEQIDHYKESQDKFLWQAAPIGRETLRDESGQECKYCRKI IYLTNDPVSVEQRLPKYYSWERCSKHLN/FLQNRSYVRKDDG CKAYWKVCLHYNLHKAQPAERFPDQNRGKALHQEQALRKSQRS QTGERLYKCTBOGVFTIQANLVVBQRTHTGKPYECCECAKAF SQKSTLIAHQRTHTGKPYECSECKTFIQKSTLIKHQRTHTGE KPFVCDKCPKAFKSSYHLIRHEKTHIRQAPYKGIKCTTSLLIQ RIHTSEKQCSEHGKASDEKPSPTKHWRTHTKWIYBCSKOOKS PGRKSHLSVBQRHTHTGKPYECSTIOGKTFSGKSHLSVBHRTHTG EKPYECRCGKAFGEKSTLIVHQRMTHTGKPYECNECGKAPSEK SPLIKHQRTHTGKPYECTDKKAFSRKSTLIXHQRIHTGKPY KCSGKAFSVKSTLIVHRTHTGKPYECRCGKAFSGKSTLI KHQRTHTGDKNL
7115	1	947	NAAGYNWGLWCMYIIPQDWLDRGDESAPITPAMIGCSFVVD REYFGDIGLLDPGMEVYGGENVKLMRVWQCGGSMVLPCSRVA HIERTRKPYNNDIDYAKRNALRAAEVMDDFKSHVYMANNTIPM SNPGVDFGDSERLALRRLKCSFKWYLENVYPENRVYNNLT YGEVRNSKASAYCLDQGAEDGDRALLYPCHEMSSQLVRYSDGL LQLGPIGSTAPLPDSKCLVDDGTGRMPTLKKCEDVAREPTQRLWD PTQSGPIVSRAATGRCLVEMSKDANFGLRLVVQRCGQKWMIRN WIKHARRH
7116	866	95	RVRMRNNAEVIERKLSMKSWAKFRPGEPWKGYPNIDPETDPYVT PGSVNNLSINTVREVDHLDRNSGSSSLWTTLPSTSAWSSIR

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
			ASBYNPLSSTAQSTSARNDSKLTNSFGSVTNTSLAHELHKVP LPPENITAFSPFPGLTGQKPLSTWDNSFLRIGGCGHSDARY TPGSSWSSSSGRITHWLVLRNLTPQIDGSTLTLCMQHGPLIT FHLNLPFGHALVHYSSKEEVVKAQKSLHISDLPLLT
7117	695	1261	LLISTPGGCHPFPSSLEFTYTGAWGKALFAPHMPCAPGALPGA FVQAARATPLIQPSQAQAQEGLSQPARACGALCSLPWPLEHWG SPILRLPGGLRTPTINDRRTRESAMACWARAQWDTLGLPLKLSHR GRVCLRHPRPTGVRGPGGAAGRQGGMTREERTFTSGARDPGGL RVKHCQPTGHLF
7118	49	1863	PHCEPNPGAGAMVLLHVLFEHAGVYALLALKEVERISLLQPQVE ESVNLGKPHSIVRLVAPCPFPASSQVALKNAVSEGVVHEDLR LLETHLPSKKKVLLGVGDPKIGAAIQBELGYNQQTGGVIAEI LRGVRLHFNLVKGLTDLSCAQAQLGLGHSYSRAKVPNNVRVD NMI IQSISLLDQLDKDINTFSMVRVWYGYHFPPELVKIINDNAT YCRLAQPIGNRRRLNEDKLEKLELTMDGAKAKAILDASRSSMG MDISAILDINIESFSSRVVSLSEYRQSLHTYLSRMSQVAPSL ALYGRAVGARLIAHAGSLTNLAKYPASTVQILGAEKALFRALKT RGNTPKYGLIFHSTPIGRAAAKNKGRISRYLANKCSIASRIDCF SEVPTSVFGRKLREQVBERLSFYETGRIFRKLDVMKRAMVQAE EAAAEITRKLEKQBEKRLKKEKRLAALALASSENSSSTPECE EMSEKPKKKKKQKQEVPOENGMEFPSISPSKPKKKKSPSKEEL MSSDLERTAGSTSIPKRKSTPKBSTVNDPBEAGHRSKSKKCK PSKEEPVSSGPEAAGKSSSKKKKPKKASQED
7119	49	1863	PHCEPNPGAGAMVLLHVLFEHAGVYALLALKEVERISLLQPQVE ESVNLGKPHSIVRLVAPCPFPASSQVALKNAVSEGVVHEDLR LLETHLPSKKKVLLGVGDPKIGAAIQBELGYNQQTGGVIAEI LRGVRLHFNLVKGLTDLSCAQAQLGLGHSYSRAKVPNNVRVD NMI IQSISLLDQLDKDINTFSMVRVWYGYHFPPELVKIINDNAT YCRLAQPIGNRRRLNEDKLEKLELTMDGAKAKAILDASRSSMG MDISAILDINIESFSSRVVSLSEYRQSLHTYLSRMSQVAPSL ALYGRAVGARLIAHAGSLTNLAKYPASTVQILGAEKALFRALKT RGNTPKYGLIFHSTPIGRAAAKNKGRISRYLANKCSIASRIDCF SEVPTSVFGRKLREQVBERLSFYETGRIFRKLDVMKRAMVQAE EAAAEITRKLEKQBEKRLKKEKRLAALALASSENSSSTPECE EMSEKPKKKKKQKQEVPOENGMEFPSISPSKPKKKKSPSKEEL MSSDLERTAGSTSIPKRKSTPKBSTVNDPBEAGHRSKSKKCK PSKEEPVSSGPEAAGKSSSKKKKPKKASQED
7120	1991	64	QLGTRRLRGDKVTNAMQDFLVNTLEPRFTIEPQTANLSVVFKDS NSTTPIFVLSPGTDPAADLYKFAEMKFSKELSAISLGQGGP RAEAMRESSIERGKVVFPONCHLAPSWMPALERLEHINPDKVH RDFRLWLTSLPSNRPVVSILONGSMTIEPPGVANLLKSYSS LGEDFLNSCHVMKPSLLLSLCLPFGMALEKRRKFGPLGFNI PYBFTDGLRICISQLKMLDEYDDIPYKVLKYTAGIYNGRVT DWDRCIMNILEDFYNDVLSPEHSYSASGIYHQIPPTYDLGY LSYIKSLPINDMPEIPGLHDNANITPAQNETPALLGTIIQLQPK SSSAGSQGRRIIVDVTONILLKVFPINLQVMAKYPVLYERS MNTVLVQSVIYHNRLLQVITQTLQDLKALKGLVVMSSQLBMA ASLYNNTVPFLWSAKAYPSLKPLSSWMDLLQRLDFLQAWIQDG IDAVFWISGFFPPQAPLTGTLQNPARKFVVISIDTISFDFKVMPE APSELTQRPQVCTIHLPLLEGARWDFEAFQLAESQPKELYTEM AVIHLPTPNEKAQDQDFYLCPIYKTLTRAGTSLSTGHSTNYVI AVEIPTHQFQRHWIKRGVALICALDY
7121	2	546	RPLRPVLSLGSWGLMTYGERQFQSLFTIMRRLIPPPREASAK LTTLVDADEAFTAYLEAMRLPKNTPEKDRRTAALQEGLEBRAV SVPLTIAETVASLWPAIQELARCGNLACRSDLQVAKALEMGVP GAYFNVLLNLRDITDEAFRDQIHERVSSLLQEARTQOALVLDCL

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7122	2	546	ETRQE RPLRFVWLSLGSWGLMTYGRROFQSLDTMRRLTPPPREASAK LPTLVADADAEPTAYLEAMRLPRTTPEREKDRRTAALQEGLRRAV SVPLTLAETVASLWPAQLARCGHLACRSDLQVAALAKEMGVF GAYFNVLINLRDITDEAPKQDILHHEVSSLLQBAKTAALVLDCL ETRQE
7123	1	1092	KPAVPEARSAGTSEAGRSAGARRVSCGSVSGDAAMRLTPRALCS AAQAANREWPFLCGRUARWPFCHMAKGLKMQSSLELVOCITR VEDARIPLSGRNPLFORTLGLKPHLLVNRMDLADLTEQQKIMQ HLEGBGLKNVIFTCVKDENVKQIIPMVTELGSRHRYHREKML BYCINVTIGVFNWVKSSLINSLRQHLRKGKATRVGGPGITRAV MSKIQVSRPLMPLDTPGVLAPRIESVETGLKLALCGTVLDHL VGBETMADYLLTYLNRKQRPGYVQHYGLGSACDIVERVLSVAV KLGKTKQKVEVLGTGNVNVIQWYPAARDFLQTFRGLLGSSVM LDLDVLRGEPV
7124	2	382	LPLTLLAAPFAHLLPFGHDQSPCHFGPALSFGTLGFLSWAN ANSGLQLLCYFLALCGWVGI IASTALPQWQSSYAGDASIQLRB KVFVLESEWGGDSLGLPRDCGNSCLLHSAVRSRKGFWS
7125	166	1127	NCISBERNYSFSMQKGRGRTSRIRRRKLCSSSESEGVRSSEKSE FIELRKNLKAARKPQDSNLAPACFPGTGRGLMSQTSLOEQMIIS LPESCLLT/RDVTIRSYLGAYITKHPFPPSLALCTFLVSEKH AGHRBILRA/YLEILPKAYTCPVLEPEVWMLPISLEKAEQ RAHVQEPASSRDFSSLSQPLFAEAVDSIPSYSALLANWCTVNT RAVYL/SPGSGNAPLQSRTPVQLAPYLDLINESPHVQVKAAPNE ETHSYBIRITSRWRKREVPFICYGPHDNQRLFLTYGFPVSVNPH ACVYVSRGNQLCS
7126	1	733	CRDMAAFIVPSPARRCSQKGSGLHLPTQFPLNAAAMSFRGQERG SHSQAREPQRPGRWLLGSLQSSPGTLQAGTASRRRCQMQRNV QVATGRRRAVQVPGALGLALGETSPGASRCMSGAGGCHALGWA PSPVLPNLLBGPFPWLSIISDSGTQRPSPRRCPARPSFWGPQC WROGLASAEASST*TPGSGSRARSRRSPGSRRESASAPSPPTP PTDACA*SCVARPAGRSRSPAA
7127	1311	277	GLPAMCST*KAGYYETEGDCIPKDR*IEKRPFEI*RRIPRIY AKQEQI*9*NSQKIGASEIDRGRKEADCSAPAAARIGAVSVFR RSTQBARVSPRSNAKSAHLRAVRAD*WZHFVLLFETPEQPLAEC ICRST*K*WHQLC*PLSSL*TGKRLKLL*VLFRY*WLEKCDV *PQKIFATNFCNWQNLQ*ER*KEVETSVEN*HIMNLLFM*L CQSSLRDQTTVTWRM*RNYSMERINMISL*DGSDHIPLELHPY PALIFTLTVPINSCQQRPLPLFAHQSIETLASSGSPMLACLRFL LVKKRAFIDTPRSPGCSV*CKHVLVDKNNKCVGSEV
7128	2	5228	GRVDLWTILLGRSALRELSQIEBILNKHWRRLLEGLSYVKEPPSP SSAEKVKANKDVASFLKELGLRISKFLGLDEQSVQLLQCYLQE DYRGTRDSVKTVLQDERQSALILEKIADYTYEERTCLLRVLEHL LTYFPQDERHPRVRYTADCVDKLEKELVSKYRQQFEKLYKTEAPT WETHENLATERQVSRWFPQCLREQSMLEIIFLYAYFEMAPSD LLVLTMPKEQGGFGRQTNRLVDETHDPFVDRIGYPSALILVE GMDIESLHKALDDRRBLHQPAQGLICQMDCLMTPGDIPER APVLLAWALLRHITLWPEETSSVVRKIGCTAQLNVPQYLTRULQ SLASGGNDCTTSTACMCVYGLLSFVLTSLEHLETLGNQODIIDA CEVLADPSLPELFWGTEPTSGLGIILDSVCGMPPHLLSPILLQLL BALVSGESTAKKVYSFLDKMSFTNELYKHPDVISHEDGTHR RQTPKLLTPLCGQTNLRIPQGTVCQVMDLDRALVRWEYSYSSW TLFTCEIEMLLHVSTADVIQECQRVKEPIIDLVRKIVISTDLIA DCLLEPITSRIYMLLQRLTTVISPPVDVLASCNVCLTVLAARNPA KWTDLRBTGFLPFVAHPVSSLSQMSAEGMNGGYCHLLMNSE QPQGRYGVYIAPLRLITTLVKGQLGSTQSGLVPCVMPVLKREML

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			<p>PSYHWRVNSHGVRQIGCLILELTHATLNLCHFTDLHSSHTPS</p> <p>LQFLCICSLAYTRAGQTVINIMGIGVDTIDNVMARQPRSDGAG</p> <p>QGGQQLLKTIVKLAFSVTRFVIRLKPSPNVVSPLEQALSQHGAG</p> <p>GNNLAVLAKYIYHKKDPALPRLAIQLLRLATVAPMSVTACLG</p> <p>NDAAAIRDAFLTRLQSK\IE\DMRIK\VMIL\EFLLVA\VESTOP</p> <p>GLIELFLNLEVKDG\SDGSEKFSLGW\SLCHAV\VNELIDSQ</p> <p>QDRYWCPLLEHRAAIFLEALWQDRDSAMLVLETRPKFWENIT</p> <p>SPLPGTLEPPSETSEPSILETCALIMKIICLEYIVVVGSLDQP</p> <p>LKDTLKKFPIEKRFAYWSGYVKSIAVHVVAETGSSCTSLLEYOM</p> <p>LVSANRMLLIATTHADIMHLDTSVVRQLFLDVLDTKALLIV</p> <p>PASVBCRLGSMECTALLILLRQNRRLGSGVDEILGPLTEILG</p> <p>VLQADQQLMERTKAKVFSAPITVLOMKEMKVSIPQYSQVLVAV</p> <p>CBTQREVTALFDQTHSLALGSATEDKDMETDDCSRSRRDQ</p> <p>RDGVCVLGLHLAKRLCEVDEGDSNLQVTRRLPILPTLITLEV</p> <p>SLRMKQNLHPTBATLHLLLTARTQQGATAVAGAGITQSICLPL</p> <p>LSVYQLSTNGTAQTPSASRKLSDAPSWFGVYRLSMSLMQLLKT</p> <p>LRYNPLPRALDFVGVHQBRTQLCLNAVRTVQSLACLERADHTVG</p> <p>PYLQSLNFMKEWHFHLPLQMRDIQVNLGYLQCACTSYLHERKML</p> <p>QHLYQNRNGDGLPSAV\AQRV\QRPPSAASAAPSSSEKQPAADTB</p> <p>ASEQQALHTVQYGLLKILEKTLAALRHPTPDVCQYLLDQSLDLA</p> <p>EYNFLFALSFTTPTDSEVAPSPFTLLATVNVVALNMLGELDKK</p> <p>EPLTQAVGLSTQAGRTILKSLIMPTMENCFFLLISQAMRYLRD</p> <p>PAVHPDKQRMKQELSSSLSTLLSSLSRYFRGAPSSPATGVLP</p> <p>SPQCKSTSLSKASPESEPLIQLVQAFVRIMQR</p>
7129	1	1054	<p>PRFRWRRLH*AGPASSAGGSPGBASGTMSELPPNINIKPR</p> <p>WDQSTFIGRANHPTVTDPRNILLTNEQLESARKIVHDYRQGITV</p> <p>PPGLTENELWRKAYIYDSAFHPDTGEMILIGRMSAQVPMNMTI</p> <p>TGCMHTFYRTTFAVLFWQINQSPNAVNNYINRSGDAPLTVNEL</p> <p>GTAYVSATGTGAVATAGLNLTKHVSPLIGRFVPPFAVAANCI</p> <p>NIPLMRQRELKVGIPVTDENGRLGESANAARQAITQVVVSRI</p> <p>MAAPGMAIPPFIMNLEKCAFLKRFPPMSAPIQVGLVGPCLVFA</p> <p>TPLCALFPQKSSMSVTSLEARLOAKIOBSPHRLRRVYPNKG</p>
7130	2	780	<p>HEVPSLQSDPLPGSVQRCSSVVVSQPNKENWCQDHLNLSGRKG</p> <p>ISAREQPTHRSSQSSSVLNLKSMDSINYPSPDVGRQQLLSLRSS</p> <p>RCESHQDLLPDADSEHQGTREKLSDLTLQDSQKVVVNRMLPLN</p> <p>AQIATONYPSNFKETDGEDDYVEIKSEDESELELSHNRKRS</p> <p>DSKFPVADPFDNVCSGNTLHSLNSPRTPKKPVNSKGLSPYLTP</p> <p>YNDSDKLDNDYLRGSPSPNQONIVQSLREKFPQCLSSSSFA</p>
7131	805	573	<p>AAABGHIEVVKFLIEACKVNPFAKDRWGNIPLDADVQFNHLEV</p> <p>KLQDYQDSYTLSETQARAAARALSKEINLESMTV</p>
7132	1420	1087	<p>IDMLLSGALVSGPYTLITTAVSADLGTHCSLGNNAHALSTVTA</p> <p>IIDGTGSGAALGPLLAGLLSPSGNSNVPYMLMPADACALLPLI</p> <p>RLIHKELSCPGSATGDQVPFKEQ</p>
7133	2	3648	<p>QQIPGLLPANGESGDALRKPRLOKPFITGHLDLFFTLTPSLERF</p> <p>REBILHLVQDHFQEGCGPLDGGALEILERRLRVGVENGIGFVQ</p> <p>RPQVVVLVPEMDVALTRSAFSPKRVVSSSKTSSGSOALVLRSL</p> <p>RLPEMVGHFAFAVIFQLEYVFSSPAGVDGNAASVTSLSNLACMH</p> <p>MVRHAWNPPLLEADSGRVTLPLQGGIQPNPESHCLVYKVPASMS</p> <p>SEEVKQVESGTLRFQFSIGSEKHLDAFTEFVSGPKVERRPSRK</p> <p>PTSPSSPPAPVPRVLAAPQNSPVGPGLSISQLAASPRSPTQHCL</p> <p>ARPTSQLPBCSQASPAQAQEPLEAGISHLEADLSQTSLVLETS</p> <p>IABQLQELPFTPLHAPITVVGTYTRSSAGQPSRASVLLQSSGFP</p> <p>EILDANKQPARAVSATEPVTNPOKEESDCLQSNEMVLQPLAPS</p> <p>RVAQDCRGTSNPKTYFTTQFYRFPFATTPRLQLVQLDEAGQPS</p> <p>SGALTHILVPSRDGTFDAGSPGFQLRYMVGPGFLKPGRRRCFA</p> <p>RYLAVQTLQIDVWDGDSLLLIGSAAVQMKHLRQGRFAVDASHE</p>

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			LEVVATHEEQDNMVVSGDMLGPRVXPIGVHSVVKGRHLTLAN VGHPCQKVRGCSLTLPSSRSRVISNDGASRPSGGSLTTGSSRR KHVVQAKLADVDSELAAMLLTHARQGGEPQDVSRESATRRK LERMRSVRLQAGGDLGRGTSVLAAQSVRTQHLRLQVIAAYR ERTKASIASLLSLAITTEHTLHATLGVAEPPEPVLNPHNTQH TVTVEDNPELSTVVDSENRDPRGAGLHTFVEEDMPLRGSL APQLYLPHETARVPPKQSPSAGQLAMVQASPGLSNKGMDAV SPWKS SAVPTTEAKVLFPRASGGEPDAVLCITVELQPHVVDQVFR FYHPELSPLKKAIRLFPWHTFPGAPVGMGEPFVHVRCSDFNV ICBQNVGPGEPDIFLKVASGSPRIKDFVVIYXSRWLATPT QTMQVYLHSLQVVDVSCVAGQTLRLSLVLEGTQTVRKVRAFTSH PQRLKTDPRGVVPLPERGVQDLHVGVRPLRAGSRPVHLNLDVD CHQLVASMLVCLCCRPQLISKAFEDMLAGEGKGVNKRITYTNP YPERRTFHLHSDHPELRPREDSFQVGGGETTITGLQFAPSQRV GERETLTYNDHEDRNEAEFCVKVITYQ
7134	2115	1111	GGEGFSYPPHVGSLGTPIDPHYVLEVHYDMPTTEEGLYDNG LELFYTMIDIRKYDAGVIRAGLHVSFLPHITPPGMPPEPQSECHCTL ECLERALBAEKPSGTHVPAVLHAHLAGRGIRLRHFRKGKQML LAYDDDFDNPQEPQYLKEEQTLPGDNLITECRYNTRKDRABMT WGGLSTRSEKCLSYLLYYPRINLRCASIPDIMEQLQFIGVKRI YRPVTWPPIIKSPQYKRLSPMDAMNPKWTKEGSLFNKLVL SLFVNVRCSETDNEAWSIQGNTALPPDIERPYPKAEPLVCGTSSS SSLHRDFSNLLVCLLLSLCTLSKSL
7135	2	2072	FVPRVTPRSLSLQGPKEGVSUSITQPLPSSYLIIPRAESDGRG MLDALELALRCSSILRLGTCKPGRDGEPTSPDASPSLCLGLPA SATVHPDQDLPLNGSSLENDASFDSKSERENPEESDTETQDHSR KTSCGDQSETPGAPVRGTTTVEQVQBELGRLGEASQVETVSE ENKSLMNTLLKQLRPGMDLSRVVLPFPVLEPRLNKLSDYYH ADLLSRAAVERDAYSRMLVLRWYLSGFYKGPKGIRKPYNPILG ETFRCCWPHPTDSRTFYLAQVSHHPFVSAPFVSNRKGPCIS GSITAKSRFYGNLSALLDGGKATLTFINRAEDYTLTMPYAHCKG ILYGMITLKLGGKVTIBCAENNFQALEFKLPFPFGSSTSINQI SGKITSGEVLASLSGHWRDVFIEEBCSGSSALPWTSGEVR QRLEQRTVPLEBQTELESERLWQHVTALSKGQHRATQKFPAL REAQQRARERQESLMPKPKQLFILDPIITQSWHYRYEDHSPWDP LKDIAQFQDGLLTLQRAVARQTTFLGSPGPRHERSGPDQL RKASDQPSGHSQATESSGSTPESCPLSDEBQDGFVPGGESPC PRCKEARELQALHHAISIREAQQELHRHLSAMLSSTARAQA PTPGILLQSPRSWFLCVFLACQLFINHLK
7136	2	418	DFVPSFARPSGNTSQVWMLRAATLEKEVAGLEKIHHLDDMLK SQQRKVRQMIQQLQNSKAVIQSKDATTIQLKEKIAYLRAENLEM HDEMEHLIERQISHGNFSTQARAKTENPGSIRISKPPSPKPMFV IRVVET
7137	2	466	NASGMSVPGGSRHSLGIQVRGGNGVTGGERESLTVPVADTWQA GSFKVATQERNPQRAQMLRRQKGVVPLGDFLTELQRLDSAI PDDLGNNTNKRSEKVRVLQEMQLQVAMNYRLRPLEKFVITYFT RMEQLSDKESYKLSQLEPENP
7138	2	466	NASGMSVPGGSRHSLGIQVRGGNGVTGGERESLTVPVADTWQA GSFKVATQERNPQRAQMLRRQKGVVPLGDFLTELQRLDSAI PDDLGNNTNKRSEKVRVLQEMQLQVAMNYRLRPLEKFVITYFT RMEQLSDKESYKLSQLEPENP
7139	1	357	SLRNSARGLEMAASAARGAALRESINQPVAFVRII PWTAASSQ LKEHFAQFGHVRRCILPPDKRTGPHRGLCWVQFSSREGLRNALQ QENHIIDGVKQVHTRRPHLPQTSDDKKDP
7140	1401	1957	RASSLQVLKANGGLIPSSFGQQTGQYALEKLFDLKVYDCFCSP MMNVSLKQLRPSQPWPRGKCRKTPGWRARPQAQDLRGDLGIT

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			QAGPAEARTEGPPRLPAATGCPHLPGLLSGISVDIDPTGLQSQ WTPKQDPPPLMFSEDYQKSLLEQYHLGLDQKLAKYVVGELIWNF ADPMTNQCC
7141	124	1073	LDNRSCNLDMEZLEEDVRPIVDETLDGGLSPSDSREKEDITVL VTPEKPLERGLSHRSDPNAPAPQGVRLSIGPLSPEKLEIILD EANKLAQLEQCALQDRESAGEGLGPRRVKPSPRRETFFVLKDSF VRDLLPTVNSLTRSTPS/LEQPDASTPE***EGVSQGSFGYIWK EALQHEEGVTHLQSVPCIQKPSIFSS\SRSTFPVGRAGPSGRA AASEETRAAKLRGAAAKSSCQLPIPSAIPRPAARMPLTSRSVPP GRGALPPDSLSTRKGLPRPSTAGHRVRESGKVPVVSQRIANLPVM GATRSNLQPP
7142	658	839	LIPLMLHMLKMLSSVTLHIRAPLYWICLKPTSCLIFONVNL EK*SRVAGVVVVMCR/YSSDLQGVIEPWLILGSDAAHDLDT LKKNKVTHILNVAYGVENAFSLDFTYKSISILDLPTNITLSYFP ECFEPFIEAKRKDGVLVHCNA
7143	3	773	SLEMSSDGEPLSRMDSRDSISSTIMDVDSTISSGRSTPAMNQG GSTTSSSKNTAYNCWDQOACFNSSPDADHRSIHVDGQGG VFVCLWKGCKVYNTPTSTSQSNLQREMLTHSGDKPFCVVGCCNA SPASQGGIARHVPTHTPSQONSSEVSSQPKAKRESPSKAGMKRR ELKNKRERSLARPHDFDQTLDAIERHRAICFNLSAHTESLGKQ HVVVHSTVSIILLFPQIKYKTLQXNISTIIKSLKI
7144	1	988	FRVNMQDGGSPARKSKAESAGMKARFLGLPDANGSSGPTPAR RCPAPRPAGVSYYIRDEVEKYNRNGVNALQLDPALNRLFTAGR SIIRIWSVNHQKQDPYIASMEHHTDWVNDIVLCCNGKTLISASS DTTVKVNNAHKGFCNSTLRTHKDYVKALAYAKDKELVASAGLDR QIFLWDVNTLTALTASNNTVTSSLSGNKDSIYSLAMNQLGTII VSGSTEKVLRVNDPRTCAKMLKRGHTDNVKALLINRDGTQCLS GSSDGTIRLWSLGGQRCIATYRVHDEGVWALQVNDAPTHVYSGG RDRKIYCTDLRNPDIRVLICE

TRADCS:1416260.1(%CSK01.DOC)

WHAT IS CLAIMED IS:

1. An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of SEQ ID NO:1-1786 and 3573-5358, a mature protein coding portion of SEQ ID NO:1-1786 and 3573-5358, an active domain of SEQ ID NO:1-1786 and 3573-5358, and complementary sequences thereof.
2. An isolated polynucleotide encoding a polypeptide with biological activity, wherein said polynucleotide hybridizes to the polynucleotide of claim 1 under stringent hybridization conditions.
3. An isolated polynucleotide encoding a polypeptide with biological activity, wherein said polynucleotide has greater than about 90% sequence identity with the polynucleotide of claim 1.
4. The polynucleotide of claim 1 wherein said polynucleotide is DNA.
5. An isolated polynucleotide of claim 1 wherein said polynucleotide comprises the complementary sequences.
6. A vector comprising the polynucleotide of claim 1.
7. An expression vector comprising the polynucleotide of claim 1.
8. A host cell genetically engineered to comprise the polynucleotide of claim 1.
9. A host cell genetically engineered to comprise the polynucleotide of claim 1 operatively associated with a regulatory sequence that modulates expression of the polynucleotide in the host cell.
10. An isolated polypeptide, wherein the polypeptide is selected from the group consisting of:

- (a) a polypeptide encoded by any one of the polynucleotides of claim 1; and
 - (b) a polypeptide encoded by a polynucleotide hybridizing under stringent conditions with any one of SEQ ID NO:1-1786 and 3573-5358.
11. A composition comprising the polypeptide of claim 10 and a carrier.
12. An antibody directed against the polypeptide of claim 10.
13. A method for detecting the polynucleotide of claim 1 in a sample, comprising:
- a) contacting the sample with a compound that binds to and forms a complex with the polynucleotide of claim 1 for a period sufficient to form the complex; and
 - b) detecting the complex, so that if a complex is detected, the polynucleotide of claim 1 is detected.
14. A method for detecting the polynucleotide of claim 1 in a sample, comprising:
- a) contacting the sample under stringent hybridization conditions with nucleic acid primers that anneal to the polynucleotide of claim 1 under such conditions;
 - b) amplifying a product comprising at least a portion of the polynucleotide of claim 1; and
 - c) detecting said product and thereby the polynucleotide of claim 1 in the sample.
15. The method of claim 14, wherein the polynucleotide is an RNA molecule and the method further comprises reverse transcribing an annealed RNA molecule into a cDNA polynucleotide.
16. A method for detecting the polypeptide of claim 10 in a sample, comprising:

a) contacting the sample with a compound that binds to and forms a complex with the polypeptide under conditions and for a period sufficient to form the complex; and

b) detecting formation of the complex, so that if a complex formation is detected, the polypeptide of claim 10 is detected.

17. A method for identifying a compound that binds to the polypeptide of claim 10, comprising:

a) contacting the compound with the polypeptide of claim 10 under conditions sufficient to form a polypeptide/compound complex; and

b) detecting the complex, so that if the polypeptide/compound complex is detected, a compound that binds to the polypeptide of claim 10 is identified.

18. A method for identifying a compound that binds to the polypeptide of claim 10, comprising:

a) contacting the compound with the polypeptide of claim 10, in a cell, under conditions sufficient to form a polypeptide/compound complex, wherein the complex drives expression of a reporter gene sequence in the cell; and

b) detecting the complex by detecting reporter gene sequence expression, so that if the polypeptide/compound complex is detected, a compound that binds to the polypeptide of claim 10 is identified.

19. A method of producing the polypeptide of claim 10, comprising,

a) culturing a host cell comprising a polynucleotide sequence selected from the group consisting of a polynucleotide sequence of SEQ ID NO:1-1786 and 3573-5358, a mature protein coding portion of SEQ ID NO:1-1786 and 3573-5358, an active domain of SEQ ID NO:1-1786 and 3573-5358, complementary sequences thereof and a polynucleotide sequence hybridizing under stringent conditions to SEQ ID NO:1-1786 and 3573-5358, under conditions sufficient to express the polypeptide in said cell; and

b) isolating the polypeptide from the cell culture or cells of step (a).

20. An isolated polypeptide comprising an amino acid sequence selected from the group consisting of any one of the polypeptides SEQ ID NO:1787-3572 and 5359-7144, the mature protein portion thereof, or the active domain thereof.
21. The polypeptide of claim 20 wherein the polypeptide is provided on a polypeptide array.
22. A collection of polynucleotides, wherein the collection comprising the sequence information of at least one of SEQ ID NO:1-1786 and 3573-5358.
23. The collection of claim 22, wherein the collection is provided on a nucleic acid array.
24. The collection of claim 23, wherein the array detects full-matches to any one of the polynucleotides in the collection.
25. The collection of claim 23, wherein the array detects mismatches to any one of the polynucleotides in the collection.
26. The collection of claim 22, wherein the collection is provided in a computer-readable format.
27. A method of treatment comprising administering to a mammalian subject in need thereof a therapeutic amount of a composition comprising a polypeptide of claim 10 or 20 and a pharmaceutically acceptable carrier.
28. A method of treatment comprising administering to a mammalian subject in need thereof a therapeutic amount of a composition comprising an antibody that specifically binds to a polypeptide of claim 10 or 20 and a pharmaceutically acceptable carrier.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34263

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/04; C12N 15/11, 15/63, 15/70, 15/82, 15/85; C07K 14/00
 US CL : 536/23.1; 435/320.1, 455, 468, 530/300, 350

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.1; 435/320.1, 455, 468, 530/300, 350

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 MEDLINE, EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WAJIMA et al. The cDNA cloning and transient expression of an ovary-specific 17beta-hydroxysteroid dehydrogenase of chickens. Gene. 1999, Vol.233, pages 75-82	1-11, 13-16, and 19-26
A	US 5,175,095 A (MARTINEAU et al) 29 December 1992 (29.12.1992), see especially columns 3-18.	1-11, 13-16, and 19-26
A	Database PubMed, ID No. 2393392, FREUDENSTEIN et al. mRNA of bovine tissue inhibitor of metalloproteinase: sequence and expression in bovine ovarian tissue. Biochem. Biophys. Res. Commun. August 1990. Vol.171. No. 1. pages 250-256, see Abstract.	1-11, 13-16, and 19-26
A,P	Database PubMed, ID No. 10919256, HENNEBOLD et al. Ovary-selective genes I: the generation and characterization of an ovary-selective complementary deoxyribonucleic acid library. Endocrinology. August 2000. Vol.141. No.8. pages 2725-2734, see Abstract.	1-11, 13-16, and 19-26
A	Database PubMed, ID No. 2760883, BEIL et al. Synthesis of polypeptides by the cervix of the baboon (Papio anubis). J. Reprod. Fertil. July 1989. Vol.86. No.2. pages 535-544, see Abstract.	1-11, 13-16, and 19-26
A,P	Database PubMed, ID No. 10830289, HINSHELWOOD et al. A 278 bp region just upstream of the human CYP19 (aromatase) gene mediates ovary-specific expression in transgenic mice. Endocrinology. June 2000. Vol.141. No.6. pages 2050-2053, see Abstract.	1-11, 13-16, and 19-26

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle of theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"A" document members of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks
 Box PCT
 Washington, D.C. 20231

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34263

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
This includes 4 invention Groups and 3572 sequence species

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34263

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid. Group I, claims 1-11, 13-16, and 19-26, drawn to nucleic acid molecules, vector molecules and host cells containing said nucleic acids, polypeptides, methods of making said polypeptides and method of detection using said nucleic acids and polypeptides. Group II, claim 12 and 28, drawn to antibodies and method of treatment using composition comprising said antibodies. Group III, claims 17-18, drawn to methods of identifying a binding partner to a polypeptides. Group IV, claim 27, drawn to method of treatment using composition comprising polypeptides.

The inventions listed as Groups I-IV do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Group I encompasses nucleic acids, polypeptides expressed thereby, vectors and host cells containing same, respectively, and methods of making as well as the first method of use of this subject matter. Groups II-V all are directed to different special technical features as summarized as follows: Group II is directed to an antibody and method of treatment using same, which antibody undergoes recognition and binding reactions wherein what is bound is different from what is bound by the compositions of Group I. For example, the polypeptides of Group I do not bind the polypeptides of Group I as the antibody of Group II does. Identification of binding partner and treatment are clearly different special technical features from detection. Group III is directed to the identification of a binding partner of a polypeptide, which is not identified in any of the other Groups and thus clearly contains its own special technical feature. Group IV is directed to treatment, which is a clearly different methods than the methods in the other Groups. Thus, in summary, each of Groups I-IV are directed to different special technical features and thus support this lack of unity.

Additionally, each of the claims is directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for more than one species to be searched, the appropriate additional search fees must be paid. The species are as follows: The claims include a series of polynucleotides and the polypeptides encoded thereby as represented by the sequences of SEQ ID Nos: 1-1786, and 3573-5358. Each of these polynucleotide sequences encodes a separate polypeptide and thus represent a separate gene. Therefore, each of these genes defines its own special technical feature. In summary, one species is a gene represented by one polynucleotide sequence and one polypeptide sequence encoded thereby.